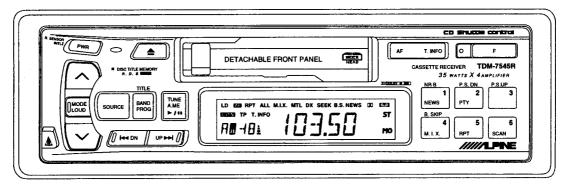


FM/MW/LW/RDS Cassette Receiver

CD Shuttle Controller

● For the cassette deck mechanism parts (GR75S310/410) of this model, refer to the Service Manual • GR-S SERIES • ADDENDUM & REVISED (II) (Part No. 68E24873S01/68E26177S01).



(TDM-7545R)

TDM-7545R/ TDM-7544R

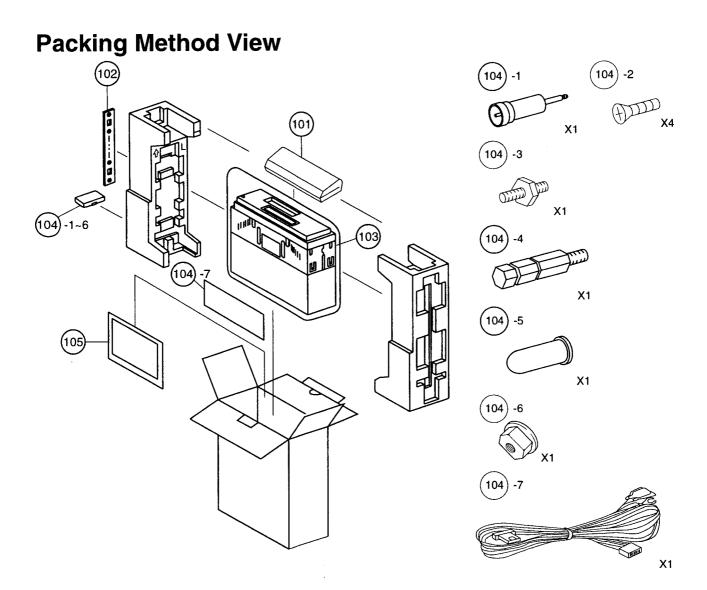
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Packing Assembly Parts List

S	ymbol	Part No.	Description	Symbol	Part No.	Description
•	No.			No.		
-	101	15D71506W01	Carrying, Case	104-6	02E20771S01	Nut, Hex. (M5)
	102	07E09438S01	Bracket, Strap Receiver	104-7	01E27452S01	Assy., Power Wire
:	103	15E21170S01	Case, Inner			(For Battery Line (Fuse 15A))
\circ	104	01E27625S01	Assy., Kit Installation	105-1	68P91666W52	Owner's Manual
_	104	01E27737S01	Assy., Kit Installation	105-2	68P91666W53	Owner's Manual (I/G/S)
	104-1 104-2 104-3 104-4 104-5	01T15394Y02 03E10240S02 03E11374S01 03E27739S01 75E27734S01	Antenna, JASO-ISO Screw, MCH (M5X8) Stud, Bolt Bolt, Hex. (M5) Cap, Rubber			
l						

 ${\tt NOTE:\bigcirc:For\,TDM-7545R\,Model\,Only,}\quad \triangle: For\,TDM-7544R\,Model\,Only,\quad Others:Common.$



Specifications

FM RADIO	
Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	17.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	19.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz)	25±10dB
S/N Ratio (Stereo, at 98.1MHz)	55dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dB μ , at 98.1MHz)	
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB
	10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf
MW RADIO	
Intermediate Frequency	450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	35dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 603kHz)	40dB
IF Rejection (at 603kHz)	40dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB
	4kHz : -12+6, -12dB
LW RADIO	
Intermediate Frequency	
Frequency Range	
Usable Sensitivity (20dB S/N, at 216kHz)	
S/N Ratio (at 216kHz)	
Image Rejection (at 270kHz)	
IF Rejection (at 162kHz)	
Distortion (at 216kHz)	
Frequency Response (Ref. 400Hz, at 216kHz)	
	4kHz : -12+6, -12dB
TAPE PLAYER	
	2 22/
Wow & Flutter (JIS, WRMS/MTT-111N)	
Tape Speed (MTT-111N)	
S/N Ratio	·
Distortion (MTT-118)	Dolby B NR : 60.5dB (○)
Distortion (MTT-118)	
Separation (MTT-141N)	
Crosstalk (MTT-121N)	
	45ub

Others: Common.

GENERAL Power Supply DC14.4V Power Output (T.H.D. 10%) /Impedance 16W/ch/4ohm Semiconductors 22IC's, 42Transistors, 19Diodes, 7Zener Diodes (△) Dimensions (W×H×D) Chassis: 180×50×155mm Nose: 188×58×19.4mm Weight 1.4kg

NOTE: Due to Continuing product improvement, specifications and designs are subject to change without notice.

△: For TDM-7544R Model Only,

○: For TDM-7545R Model Only,

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit

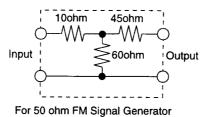


Figure 1

(2) Connections

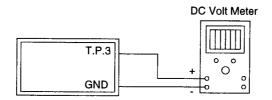
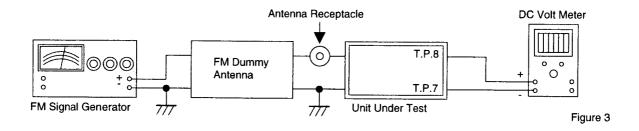
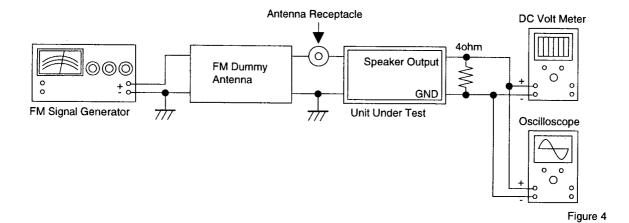
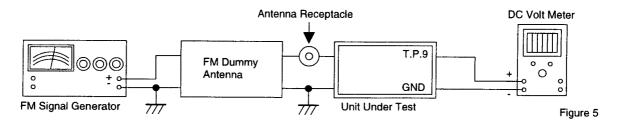
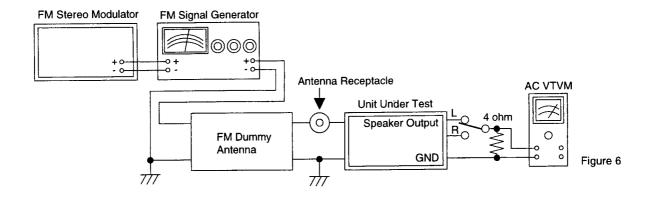


Figure 2









Balance Control Center Position Others OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point/ P.W.Board Coordinates	Adjustment
1	VT Adjustment	Figure 2	_	Max.	T.P.3 (3-B)	Adjust L2006 for 7.5V.
2	IF Adjustment	Figure 3	98.1MHz, 60dB µ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.7 (4-B) T.P.8 (4-B)	Adjust L2101 for 0±20mV.
3	Ant. Coil Adjustment	Figure 4	90.1MHz, 20dB µ (Mod. 400Hz, Dev. 40kHz)	90.1MHz	Speaker Output	Adjust L2002 for max. output.
4	RF Coil Adjustment	Figure 4	90.1MHz, 20dB µ (Mod. 400Hz, Dev. 40kHz)	90.1MHz	Speaker Output	Adjust L2005 for max. output.
5	IFT Coil Adjustment	Figure 4	98.1MHz, 20dB μ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output	Adjust T2001 for max. output.
6	Signal Meter Adjustment	Figure 5	98.1MHz, 34dB µ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.9 (4-B)	Adjust VR2101 to 3.5V.
7	Stereo Blend Adjustment (Lch)	Figure 6	98.1MHz, 34dB µ (Mod. 1kHz, Dev. 36kHz, Stereo, Lch Only)	98.1MHz	Speaker Output	Adjust VR2102 for Lch and Rch output level difference to be 8dB.
8	Stereo Blend Adjustment (Rch)	Figure 6	98.1MHz, 34dB µ (Mod. 1kHz, Dev. 36kHz, Stereo, Rch Only)	98.1MHz	Speaker Output	Proceed same adjustment under step 7.

2. MW/LW SECTION

(1) Dummy Antenna Circuit

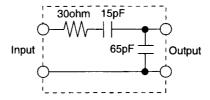


Figure 7

(2) Connections

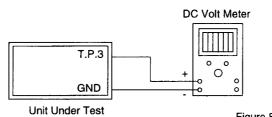
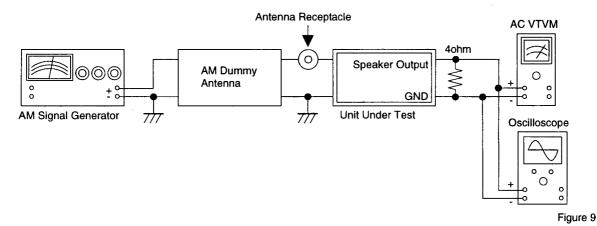


Figure 8



(3) Control Settings

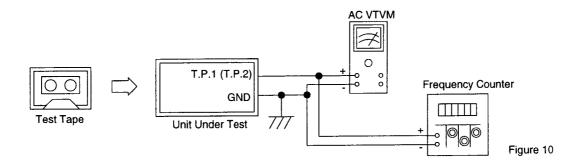
Power Switch ON	Treble/Bass Control Center Position
Fader Control Center Position	Band Switch LW/MW
Balance Control Center Position	Others OFF

(4) Adjustment Procedures

Step	Description Connection		Signal Generator	Dial Control	Test Point/ P.W.Board Coordinates	Adjustment
1	VT Adjustment	Figure 8		LW f. Max.	T.P.3 (3-B)	Adjust L2204 for 7.5V.
2	LW RF Coil Adjustment	Figure 9	162kHz, 30dB μ (Mod. 400Hz, 30%)	162kHz	Speaker Output	Adjust L2202 for max. output.
3	MW RF Coil Adjustment	Figure 9	603kHz, 30dB µ (Mod. 400Hz, 30%)	603kHz	Speaker Output	Adjust L2203 for max. output.
4	MW IFT Coil Adjustment	Figure 8	999kHz, 40dB μ (Mod. 400Hz, 30%)	999kHz	Speaker Output	Adjust T2201, 2202 for max. output.

3. TAPE PLAYER SECTION

(1) Connection



(2) Control Settings

Power Switch ON

Fader Control Center Position

Balance Control Center Position

Treble/Bass Control Center Position

Others OFF

(3) The necessaries for adjustment

GR-S Extension Cord

Assy., EX Cord Kit for GR-S Mechanism

Part No. 01E23255S01

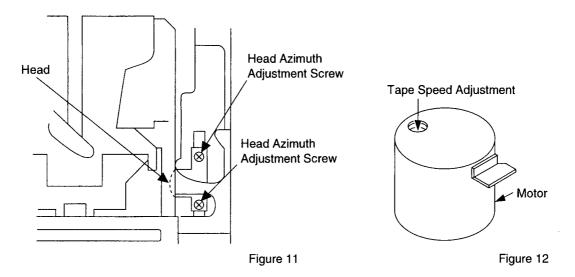
See Adjustment Locations (Figure 13).

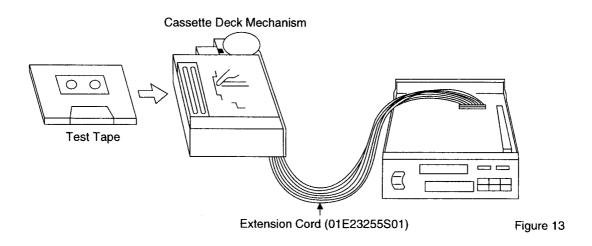
(4) Adjustment Procedures

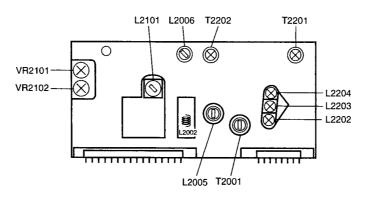
Step	Description	Test Tape	Connection	Test Point/ P.W.Board Coordinates	Adjustment Point	Adjustment			
1	Head Azimuth Adjustment	MTT-114NB (14kHz)	Figure 10	T.P.1 (Lch) (2-C) T.P.2 (Rch) (2-C)	Head Azimuth Adjustment screws (Figure 11)	Adjust for Max. and same level output at Forward and Reverse positions.			
2 (〇)	Dolby Level Adjustment	MTT-150 (400Hz)	Figure 10	T.P.1 (Lch) (2-C) T.P.2 (Rch) (2-C)	VR2101 (Lch) VR2102 (Rch)	Adjust for 388mV at T.P.1 (Lch) and T.P.2 (Rch).			
3	Tape Speed Adjustment	MTT-111N (3kHz)	Figure 10	T.P.1 (Lch) (2-C) or T.P.2 (Rch) (2-C)	Tape Speed Adjustment (Figure 12)	Adjust for 2,970 to 3,090Hz at T.P.1 (T.P.2).			

NOTE: \bigcirc : For TDM-7545R Model Only, Others: Common

Adjustment Locations







FM/MW/LW Tuner Unit (FE001)

NOTE: For the Test Points, refer to the Parts Layout on P.W. Boards and Wiring Diagram.

LCD Display

	.O.N.) 5		ALL INFO	M.I.X.	MTL	dx s		3. S. NE			ST MO
1	2	3 4		5	6 7	8	9	10	10d. p. 11	12	
	PAD No.	1	2	3	4	5	6	7	8	9	10
	COM.1	1b, c		2e	2d		4d	4c			
	COM.2	E.O.N.	2a	2f, g		2i	4f	4a			
	сом.з	1a, e, f, j, n	2h	2n	21	2j	4n, j	4b			
									r		
		11	12	13	14	15	16	17	18	19	20
		5m	5d	5k	5c	6m	6k	7m	7d	7k	8m
		5n	5h, I	5j	6e	6n	6j	7n	7h, I	7j	8n
		5g	5i	5b	6f	6g	6i	7g	7a	7i	8g
									· 		
		21	22	23	24	25	26	27	28	29	30
		8d	8k	8c	9m	9d	9k	10m	10d	10k	10d. p.
		8h, I	8j	9e	9n	9h, I	9j	10n	10h, i	10j	10col
		8i	8b	9f	9g	9a	9i	10g	10a	10i	10dash
		31	32	33	34	35	36	37	38	39	40
		11m	11k	12e	12m	12d	12k	12c	MO	COM. 1	
		11n	11j	11c	12n	12h, I	12k	12b	ST	OOW. 1	COM. 2
		11g	11i	11b	12f	1211, 1	12i	12a			JOIN. 2
		119	* 11	7.15	141	129	121	, <u>, , u</u>			
		41	42	43	44	45	46	47	48	49	50
			11d	11e	10c	10e	9c	8e	7c	7e	6c
			11h, l	11f	10b	10f	9b	8f	7b	7f	6b
		COM. 3	11a	○ NR B	NEWS	B. S.	SEEK	8a	DX	MTL	M.I. X.

PAD No.	51	52	53	54	55	56	57	58	59	60
COM.1										
COM.2										
COM.3										

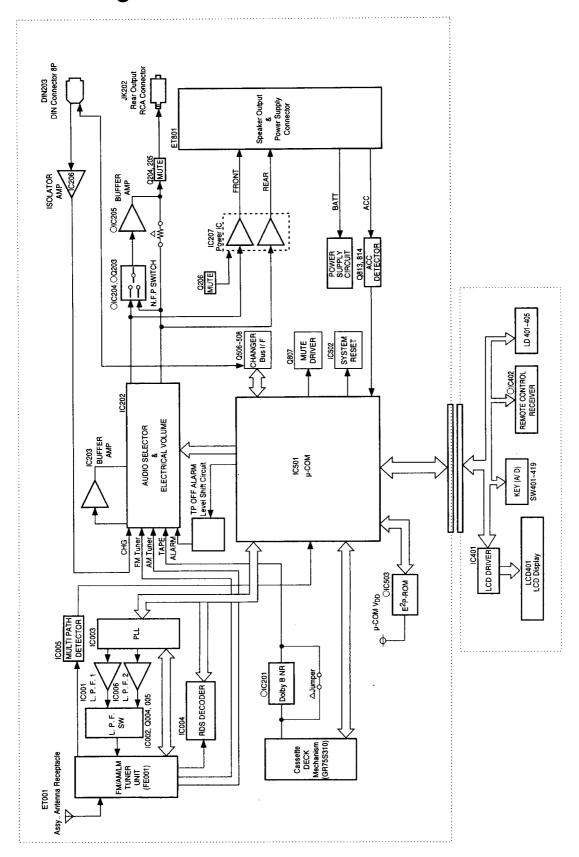
61	62	63	64	65	66	67	68	69	70

71	72	73	74	75	76
6d	5e	0000	T. INFO	4e	2c
6h, I	5f	ALL	TP	3b, c	LD
6a	5a	RPT	AF	3n, j	2b

NOTE : ○ : For TDM-7545R Model Only, △ : For TDM-7544R Model Only,

Others :Common.

Block Diagram

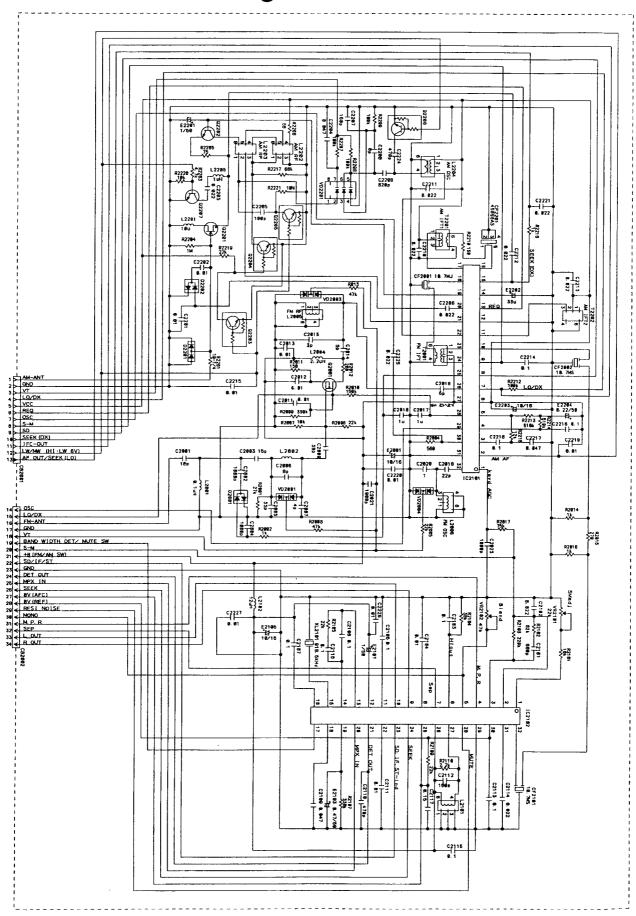


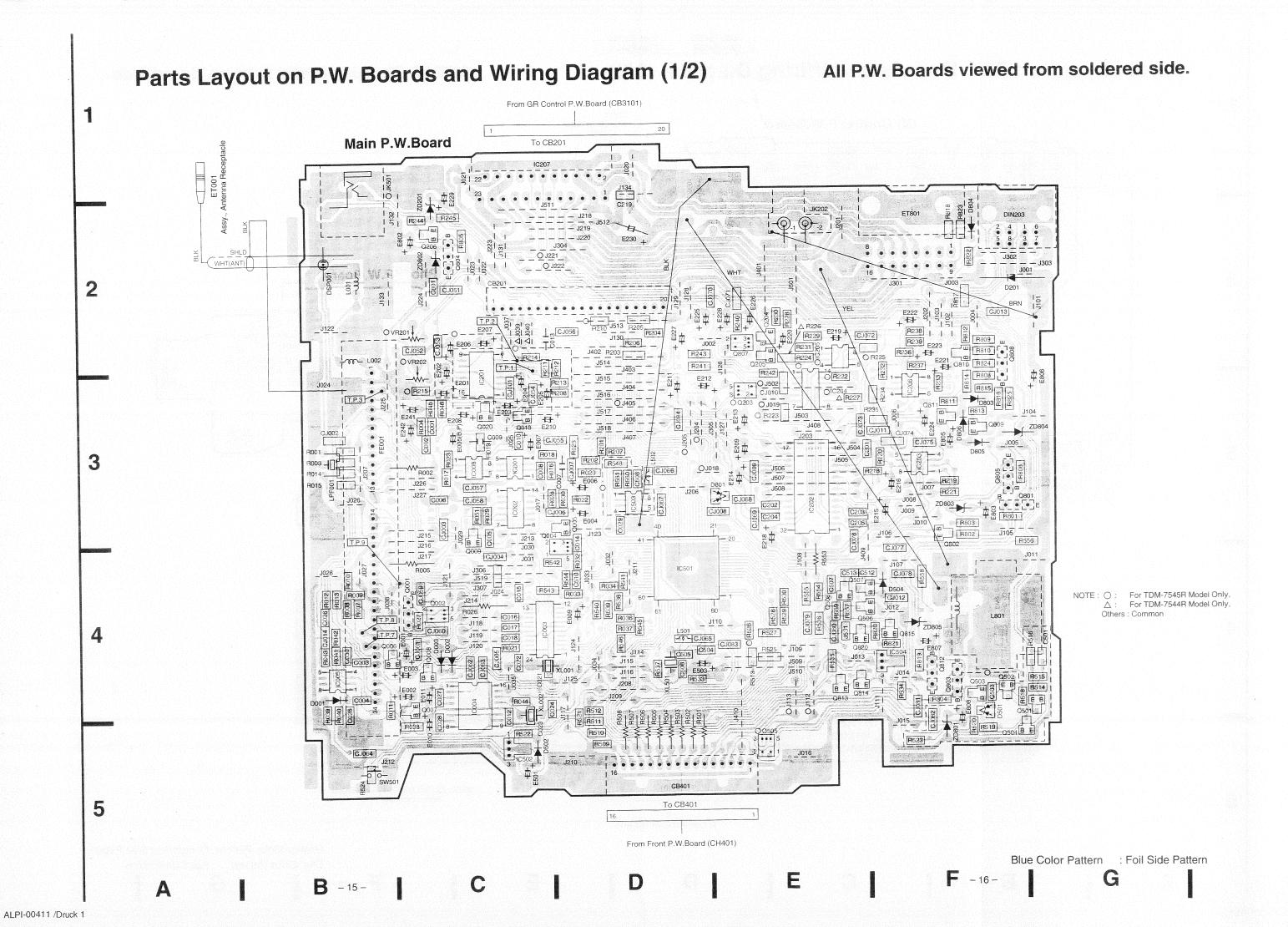
NOTE: O: For TDM-7545R Model Only,

△ : For TDM-7544R Model Only,

Others: Common.

Tuner Schematic Diagram





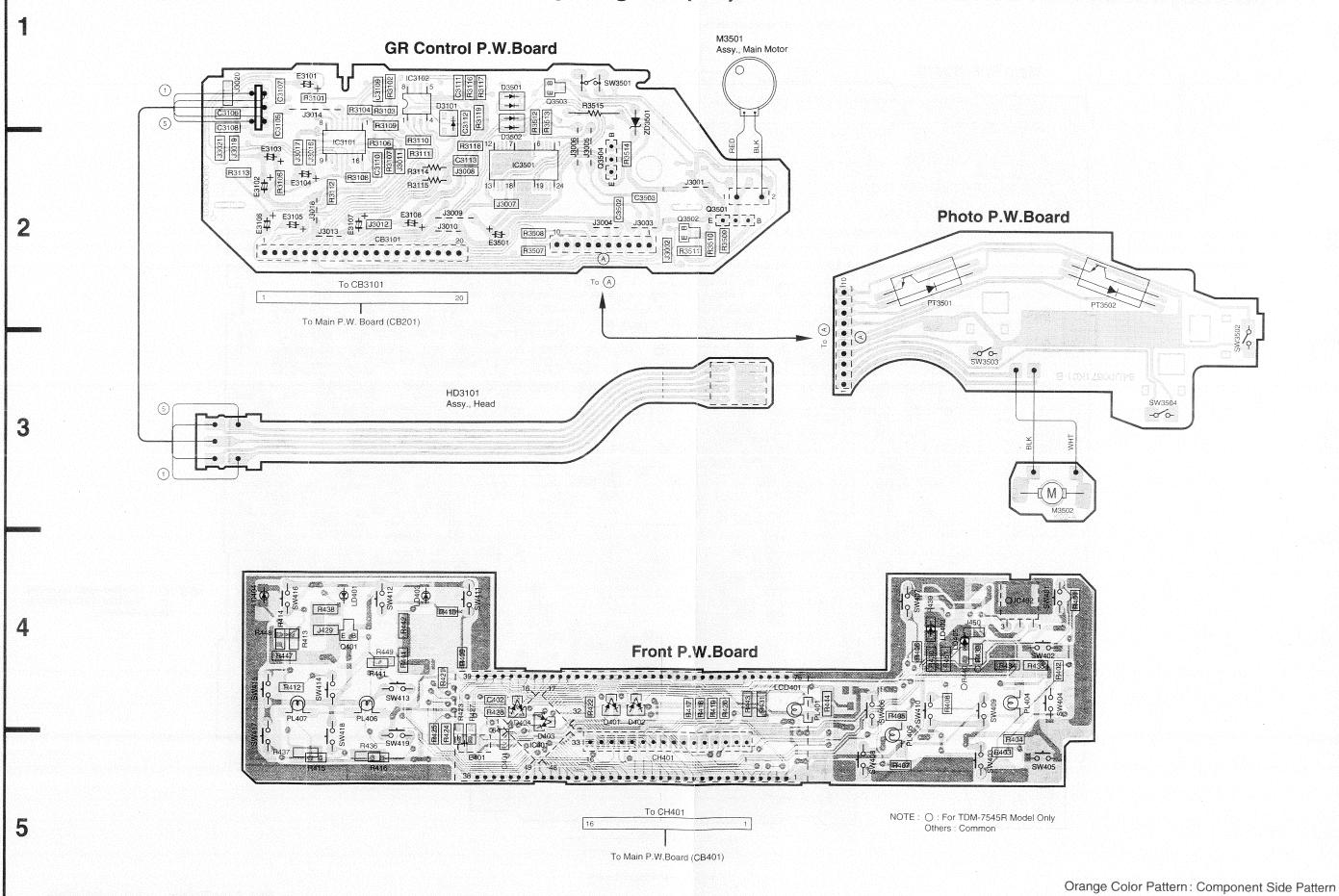
TDM-7545R/ TDM-7545R/ TDM-7544R TDM-7544R

Parts Layout on P.W. Boards and Wiring Diagram (2/2)

B -17-

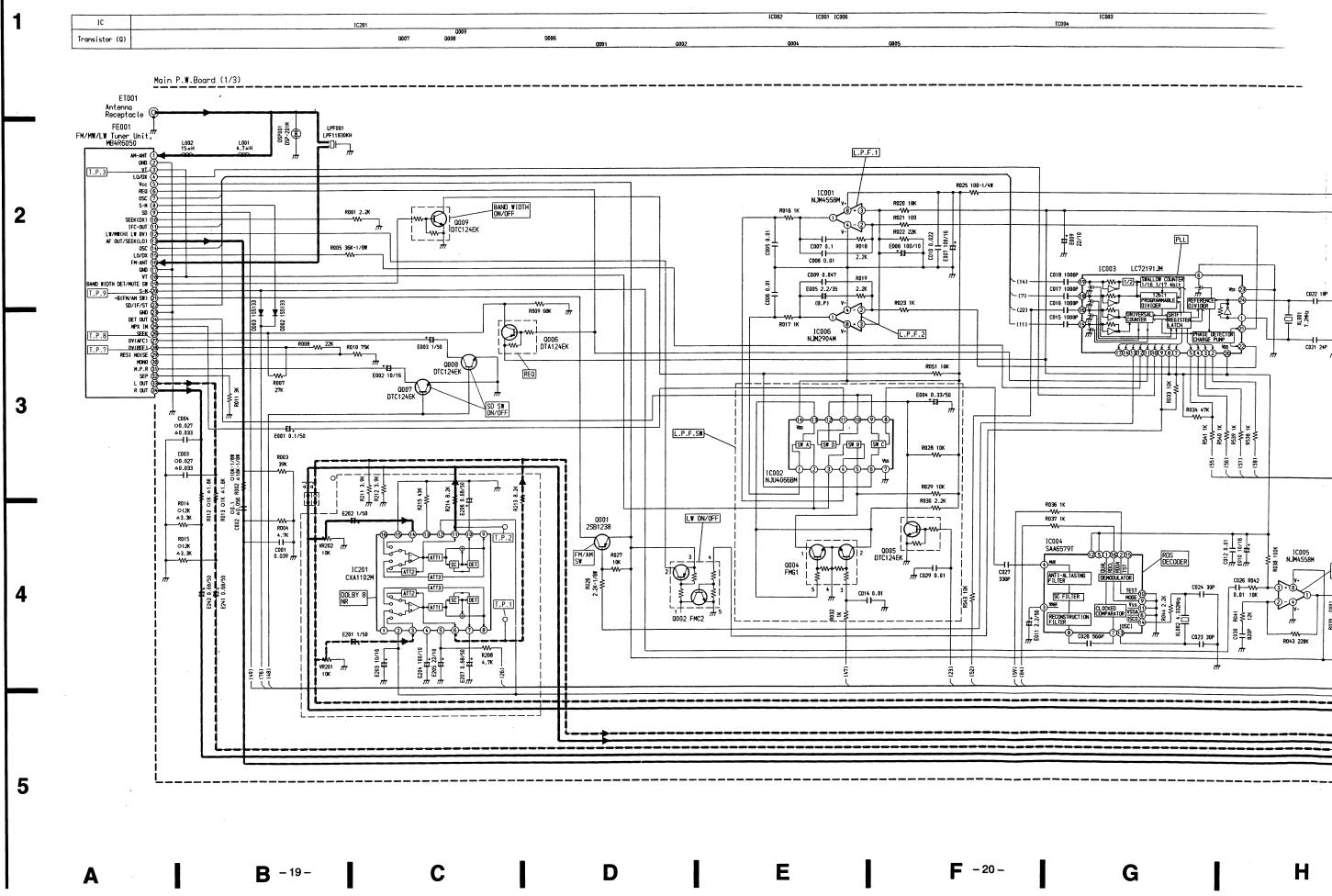
All P.W. Boards viewed from soldered side.

Blue Color Pattern : Foil Side Pattern

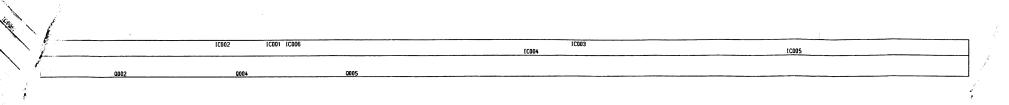


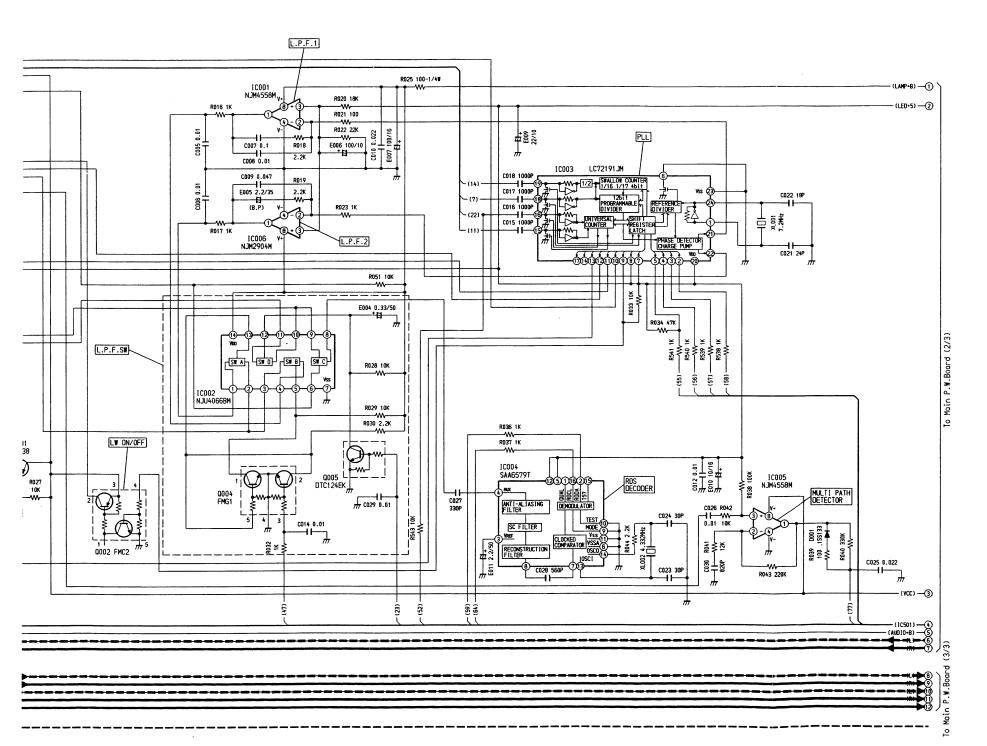
ALPI-00411 /Druck 2

Schematic Diagram (1/4)



ALPI-00411 /Druck 3





IC00	IC001, 006 IC002				IC003				IC004				IC005		O IC201	
1	3.4V	1	13V	1	2.4V	14	NC		1	NC	8~11	٥٧	1,2	5V	1	NC
2-4	ov	2-4	OV	2-4	ov	15, 16	ov	Ш	2	2.6V	12	5V	3	4.9V	2	-8.8v
5-7	NC	5, 6	13V	5	5V	17	NC	11	3	2.5V	13	2.4V	4	ον	3-7	ov
8	13V	7	٥٧	6	ov	18	ov	11	4	0V	14	2.5V	5-7	NC	8,9	NC
		8~11	3.4V	7,8	5V	19	2.5V	11	5	5V	15	NC	8	8.8V	10-15	ov
		12	13V	9~11	ov	20	5V	11	6	0V	16	2.5V			16	NC
		13	0V	12	4.6V	21-23	ov	11	7	2.5V			1			
		14	13V	13	ov	24	2.6V	1 '	·				,			

	E	С	В	MODE
Q001	9V / 9V	0V/9V	8V / 8V	AM/FM
Q005	OV/OV	0V / 14V	5V / 0V	MUTE ON/OFF
Q006	5V	5V	ov	REQ
Q007	0V/0V	0V/0V	0V / 5V	SD SW ON/OFF
Q008	0V/0V	0V/0V	0V / 5V	SD SW ON/OFF
Q009	0V/0V	0V / 13V	8V / OV	BAND WIDTH ON/OFF

	1	2	3	4	5	MODE
Q002	NC	8V / 0V	8V / 8V	5V / 0V	0V/0V	LW ON/OFF
Q004	13V / 0V	0V / 13V	5V / 0V	0V/0V	0V / 13V	AF ON/OFF

[Measuring Conditions]

 Power Supply Voltage : DC14.4V

 Measuring Meter : Digital Multi Meter • Measuring Point Reference : Between Ground

• Measuring Conditions : No Signal Input

FM 98.1MHz

MW 999kHz

LW 216kHz

Tape Blank

NOTE : ○: For TDM-7545R Model Only,

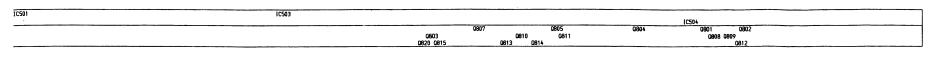
• : For TDM-7544R Model Only,

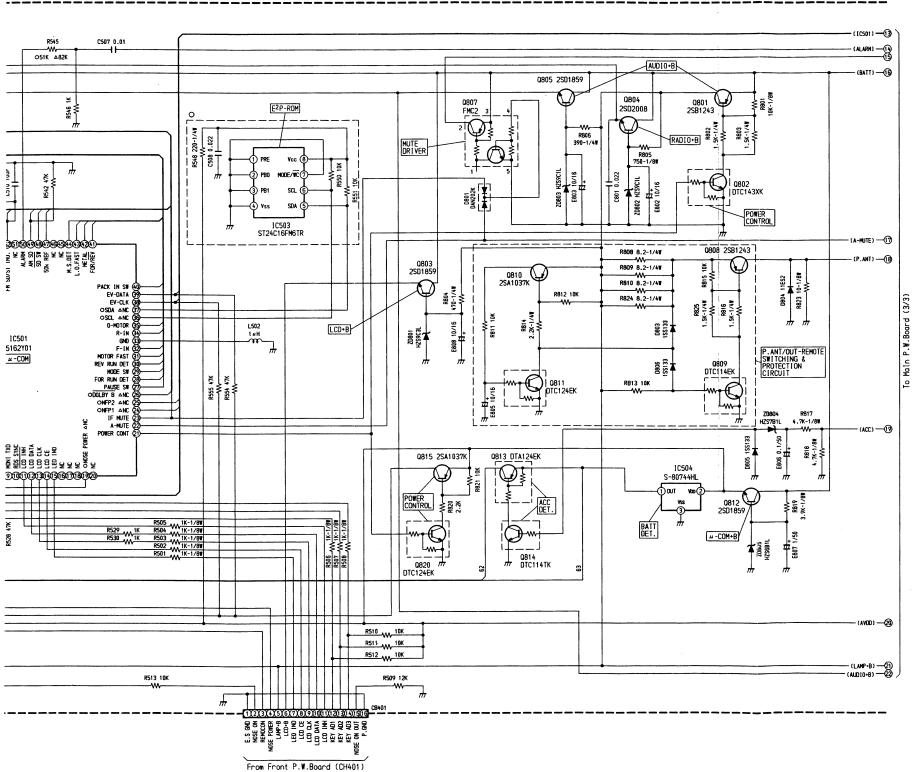
Others : Common.

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

K





IC501	l					IC5	02
1-3	5.1V	29	5.1V	64	2.5V	1, 2	5.2V
4	ov	30-35	0V	65	5.1V	3	ov
5, 6	NC	36, 37	○ ov	66, 67	ov		
7~9	5.1V	30, 37	ΔNC	68	5.1V		
10	ov	38-43	ov	69	3.1V	01	C503
11	5.1V	44	5.1V	70	2.7V	1-7	ov
12, 13	٥٧	45, 46	NC	71	٥٧	8	5V
14	3.5V	47, 48	5.1V	72	NC		
15	5.1V	49, 50	٥٧	73	٥٧	l	
16-18	NC	51	NC	74, 75	5.1V	IC5	
19	O 5.1V	52	4.3V	76, 77	ov	-	4.9V
19	ΔNC	53, 54	NC	78	2.1V	2	5.2V
20	NC	55~58	ov	79	ov	3	٥٧
21	5.1V	59	2.5V	80	2.5V	1	
22, 23	ov	60	5.1V				
24-26	O 5.1V	61	○ 3.5V				
24-20	ΔNC] "	ΔNC]	
27, 28	ov	62, 63	4.9V]	

	E	С	В	MODE
O Q501	5V / 5V	5V / OV	5V / 5V	REAR REMOTE CONTROL ON/OFF
C Q502	0V/0V	0V / 0V	4V / 0V	REAR REMOTE CONTROL ON/OFF
○ Q503	0V/0V	3V / 3V	0V/0V	REAR REMOTE CONTROL ON/OFF
○ Q504	0V/0V	0V/0V	0V / 0V	REAR REMOTE CONTROL ON/OFF
Q801	14V / 14V	14V / 0V	13V / 13V	POWER ON/OFF
Q802	0V/0V	0V / 14V	5V / OV	POWER ON/OFF
Q803	9V/0V	14V / 14V	9V / OV	POWER ON/OFF
Q804	9V / 0V	14V / 14V	9V / OV	POWER ON/OFF
Q805	9V/0V	14V / 14V	9V / OV	POWER ON/OFF
Q808	14V/0V	14V / 0V	13V / 13V	POWER ON/OFF
Q809	0V/0V	0V / 13V	13V / 0V	POWER ON/OFF
Q810	13V / 13V	13V / 0V	13V / 13V	PROTECT ON/OFF
Q811	0V/0V	13V / 0V	10V/0V	PROTECT ON/OFF
Q812	5.2V	14V	5.8V	
Q813	5V / 5V	5V / 0V	0V / 5V	ACC ON/OFF
Q814	ov/ov	0V / 5V	7V/0V	ACC ON/OFF
Q815	5V / 5V	5V / 0V	5V / 5V	POWER ON/OFF
Q820	0V/0V	0V / 5V	5V / OV	POWER ON/OFF

	1	2	3	4	5	MODE
O C2505	NC	5V	5V	5V	٥٧	
Q807	NC	14V/0V	14V / 14V	5V / 0V	0V / 0V	MUTE ON/OFF

[Measuring Conditions]

: DC14.4V • Power Supply Voltage

Measuring Meter

: Digital Multi Meter

• Measuring Point Reference : Between Ground

Measuring Conditions

: No Signal Input FM 98.1MHz

MW 999kHz

LW 216kHz

Tape Blank

NOTE: O: For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others: Common.

NOTE:

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

K

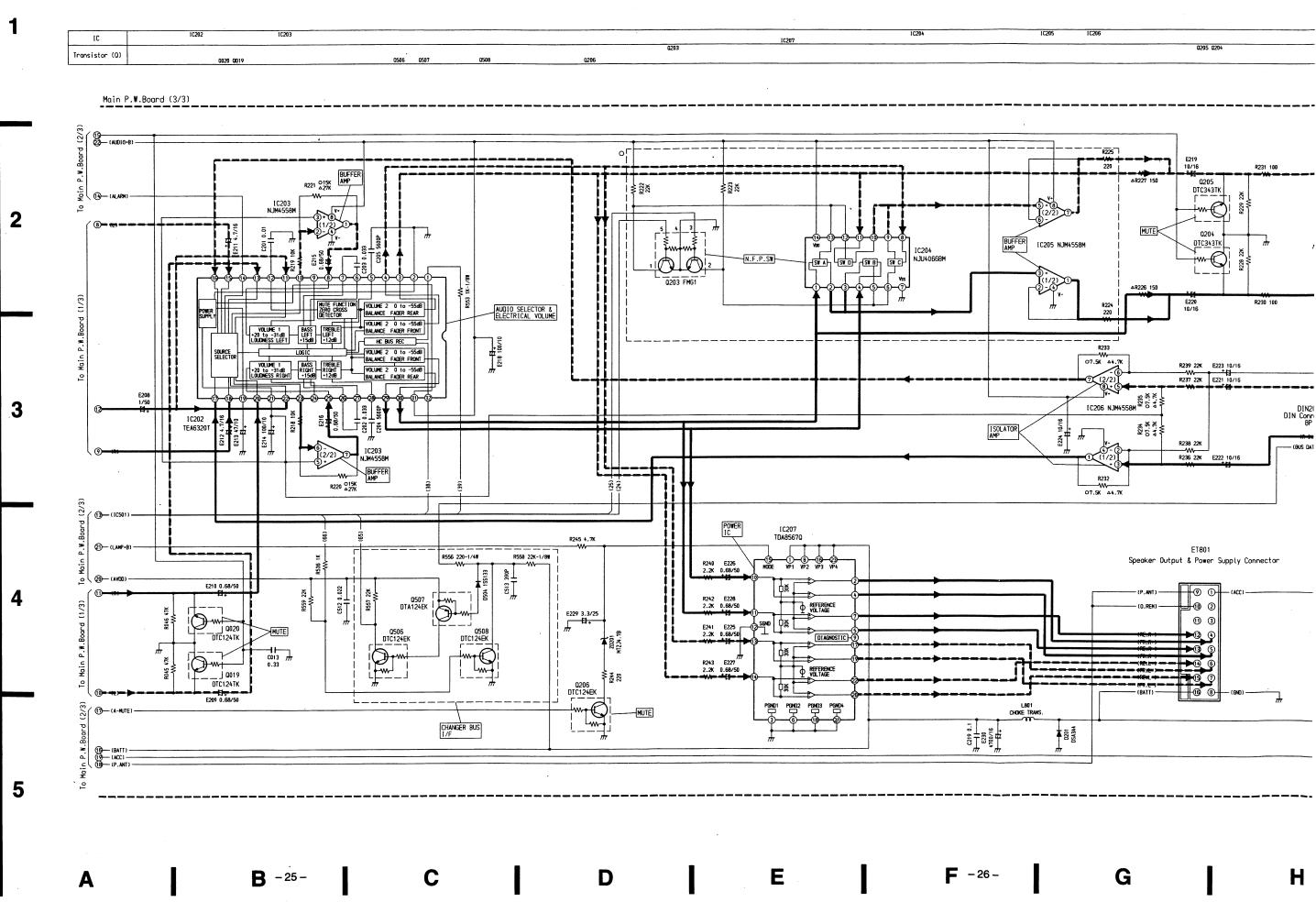
E

ALPI-00411 /Druck 6

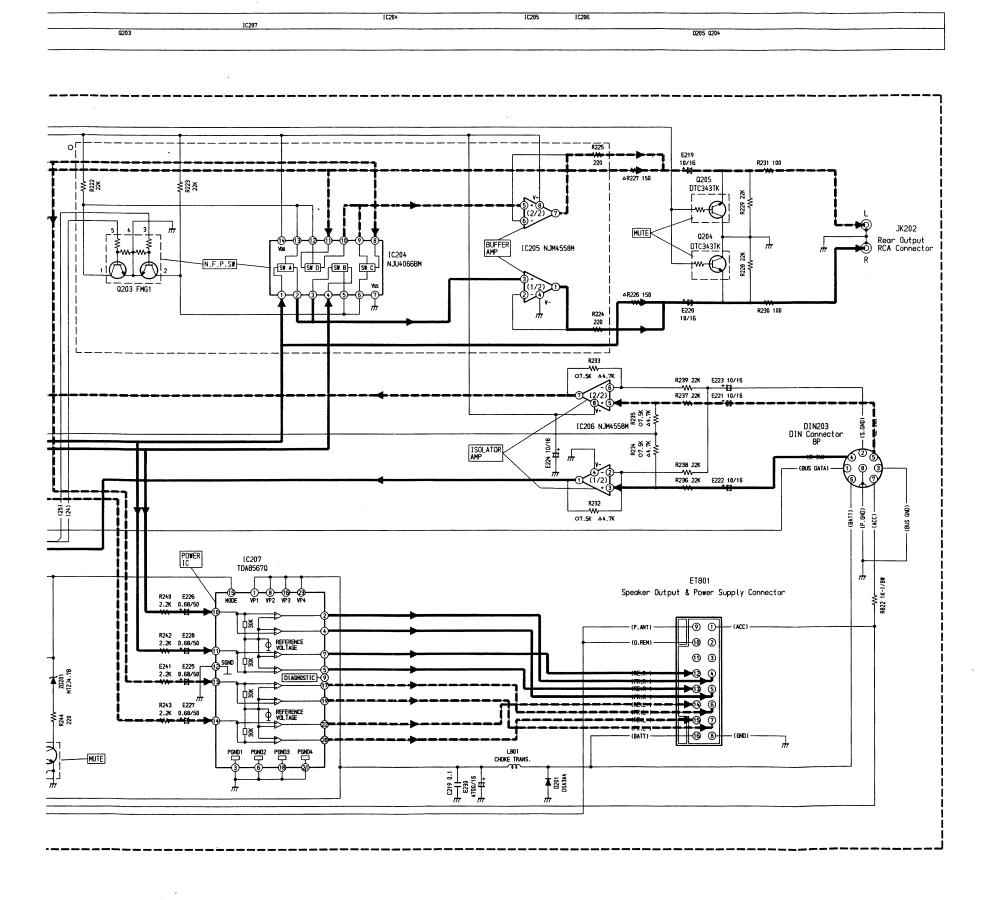
G

H

Schematic Diagram (3/4)



ALPI-00411 /Druck 7



IC20	2			IC20	3, 206	O IC	204	\bigcirc 10	205	IC207	7		
1	5.2V	13-18	4.5V	1-3	4.4V	1-4	4.4V	1-3	4.4V	1	14V	13, 14	2V
2	0V	19	8.9V	4	ov	5~7	ov	4	0V	2	7.1V	15	5.6V
3-7	4.5V	20-23	4.5V	5-7	4.4V	8-11	4.4V	5~7	4.4V	3	OV	16	14V
8	0V	24	NC	8	8.8V	12~14	8.8V	8	8.8V	4, 5	7.1V	17	7.1V
9	NC	25	0V					J L		6	0V	18	ov
10	4.5V	26-30	4.5V	1						7	7.1V	19, 20	7.1V
11	-	31	9V	1						8	4.5V	21	٥v
12	8.9V	32	4.5V	1						9	NC	22	7.1V
				•						10, 11	2V	23	14V
										12	ov		

	E	. с	В	MODE
Q019	0V/0V	0V/0V	14V / 0V	MUTE ON/OFF
Q020	0V/0V	0V/0V	14V / 0V	MUTE ON/OFF
Q204	0V/0V	0V/0V	14V / 0V	MUTE ON/OFF
Q205	0V/0V	0V / 0V	14V / 0V	MUTE ON/OFF
Q206	0V/9V	0V/0V	5V / 0V	MUTE ON/OFF
Q506	ov	5V	ov	
Q507	5V	ov	5V	
Q508	ov	14V	ov	

	1	2	3	4	5	MODE
O 0203	9V / 0V	0V/9V	5V / 0V	0V/0V	0V / 5V	NFP ON/OFF

[Measuring Conditions]

• Power Supply Voltage : DC14.4V

 Measuring Meter : Digital Multi Meter

• Measuring Point Reference: Between Ground

 Measuring Conditions : No Signal Input

FM 98.1MHz

MW 999kHz

LW 216kHz

Tape Blank

NOTE : ○ : For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others : Common.

NOTE:

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. P = 1,000,000

K

5

M-7545R/ M-7544R

2

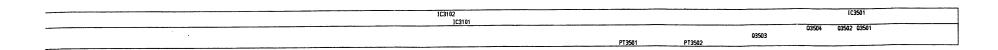
Transistor (Q,PT)

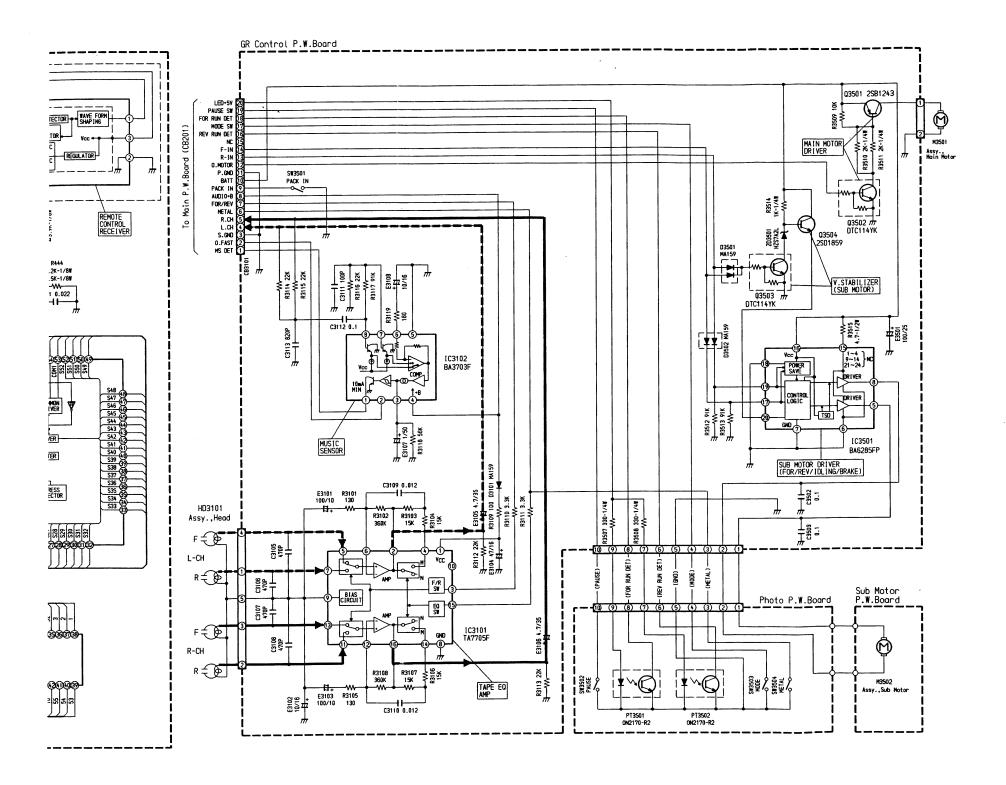
SW401 OPWR/R.SENSOR /INTLZ APWR/INTLZ

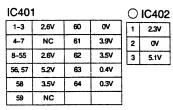
SW404 Mode/Loud

SW406 Tune/a.Me /play/pause

H







	E	С	В	MODE
Q401	0V/0V	0V / 14V	5V / 0V	LED IND. ON/OFF

[Measuring Conditions]

: DC14.4V Power Supply Voltage : Digital Multi Meter Measuring Meter • Measuring Point Reference: Between Ground : No Signal Input Measuring Conditions FM 98.1MHz MW 999kHz LW 216kHz

Tape Blank

IC31	C3101				02	IC350	IC3501	
1	10.7V	9	3V	1	5.2V	1-4	NC	
2	3.1V	10	NC	2,3	ον	5-8	٥٧	
3	5.2V	11-13	3V	4	12V	9~14	NC	
4	3.1V	14	3.1V	5	ov	15, 16	12V	
5-7	3V	15	٥٧	6	0.6V	17~19	ov	
8	ov	16	3.1V	7,8	ov	20	12V	
						21-24	NC	

	E	С	В	MODE
Q3501	12V	11.8V	11.3V	
Q3502	ov	0.1V	5V	
Q3503	٥٧	5.5V	ov	
Q3504	11.6V	12V	12V	

[Measuring Conditions]

• Power Supply Voltage : DC12V

 Measuring Meter : Digital Multi Meter • Measuring Point Reference : Between Ground Measuring Conditions : Tape Blank

NOTE: O: For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others : Common.

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

K

E

Description of IC Terminal

15162Y01: IC501

		01:10501		
No.		Symbol	1/0	Terminal Description
1		KEY A / D 3	1	Key A/D 3 Input Terminal.
2		KEY A / D 2	ı	Key A/D 2 Input Terminal.
3		KEY A / D 1	1	Key A/D 1 Input Terminal.
4	GND —		_	GND Connection Terminal.
5	NC			No Connection Terminal.
6				
7		V _{DD}	_	Power Supply Connection Terminal.
8		MONI RXD	ı	RDS Monitor Input Terminal.
9		MONI TXD	0	RDS Monitor Output Terminal.
10		RDS SYNC	0	Sync. Signal Output Terminal.
11		LCD INH	0	INH Signal Output Terminal to LCD Driver (LC75850W).
12		LCD DATA	0	Serial Data Output Terminal to LCD Driver (LC75850W).
13		LCD CLK	0	Serial Clock Output Terminal to LCD Driver (LC75850W).
14		LCD CE	0	CE Signal Output Terminal to LCD Driver (LC75850W).
15		LED IND	0	Function Indicator Control Signal Output Terminal.
16				
5		NC —		No Connection Terminal.
18				
10	O NOSE POWER O		0	Power Control Signal Output Terminal to Nose.
19	Δ	NC	_	No Connection Terminal.
20		NC	_	No Connection Terminal.
21	Р	OWER CONT	0	Power Supply Control Signal Output Terminal for Audio, Light and Tuner.
22		A-MUTE	0	Audio Mute Signal Output Terminal.
23		IF MUTE	0	IF Mute Output Terminal.
04	0	NFP 1	0	NFP Control Signal Output Terminal.
24	Δ	NC	_	No Connection Terminal.
05	0	NFP 2	0	NFP Control Signal Output Terminal.
25	Δ	NC	_	No Connection Terminal.
-	0	DOLB Y B	0	B NR ON/OFF Signal Output Terminal.
26	Δ	NC	_	No Connection Terminal.
27		PAUSE SW	ı	Pause Mode Detection Input Terminal.
28	F	OR RUN DET	ı	For Reel Rotating Detection Input Terminal.
29		MODE SW	ī	Mode Detection Input Terminal.
30	F	REV RUN DET	ı	Rev Reel Rotating Detection Input Terminal.
31	١	MOTOR FAST	0	Main Motor Rotating Control Output Terminal.
32		F-IN	0	Sub Motor Rotating Control Output Terminal.
33		GND	_	GND Connection Terminal.
34		R-IN	0	Sub Motor Rotating Control Output Terminal.
35		O-MOTOR	0	Motor Rotating Control Output Terminal.
L	L		I	,

No.	Symbol	1/0	Terminal Description				
	O SCL	. 0	Clock Output Terminal for E2P-ROM.				
36	△ NC		No Connection Terminal.				
	SDA I/O Data Terminal for E2P-ROM.						
37	△ NC		No Connection Terminal.				
38	EV-CLK	0	Serial Clock Output Terminal to Electrical Volume (TEA6320T).				
39	EV-DAT/	A 0	Serial Data Output Terminal to Electrical Volume (TEA6320T).				
40	PACK IN S	sw i	Pack IN Detection Input Terminal.				
41	FOR / RE	V o	Tape Direction Indicator Output Terminal.				
42	METAL	ı	Metal Tape Detection Terminal.				
43	L.O.FAS	т о	Gain Control Signal Output Terminal of MS IC at CUE/REV.				
44	M.S.DET	r i	Blank Detection Signal Input Terminal.				
45 46	NC	_	No Connection Terminal.				
47	50k REF	0	LPF Switching Signal Output Terminal at Active RDS.				
48	SDSW	0	Time Constant Switching Terminal for High Speed Active PLL.				
49	AM SD	1	AM SD Signal Input Terminal.				
50	ALARM O Alarm Signal Output Terminal.						
51	NC	_	No Connection Terminal.				
52	FM SD / ST IND.		ST Signal Input Terminal at Receiving FM. FM SD Signal Input Terminal at Tuning FM.				
53 54	NC		No Connection Terminal.				
55	PLL DI	1	Data Input Terminal from PLL (LC72191JM).				
56	PLL CLK	0	Sync. Signal Output Terminal to PLL (LC72191JM).				
57	PLL DO	0	Data Output TErminal to PLL (LC72191JM).				
58	PLL CE	0	Communication Control Signal Output Terminal to PLL (LC72191JM).				
59	RDS DAT	A 1	RDS Data Input Terminal from RDS Decoder (SAA6579T).				
60	RESET	1	System Reset Signal Input Terminal.				
61	O REMOC	ON I	Remocon Data Input Terminal.				
01	△ NC		No Connection Terminal.				
62	ACC DE	Т	ACC (Ignition) Detection Signal Input Terminal.				
63	BAT DET	T I	Battery Detection Signal Input Terminal. (Manage Compulsion Stand-by.)				
64	RDS CLO	CK I	RDS Clock Input Terminal from RDS Decoder (SAA6579T).				
65	CHG BUS	IN I	Signal Input Terminal from CD Changer BUS I/F.				
66	CHG BUS C	O TUC	Signal Output Terminal to CD Changer BUS I/F.				
67	PULL-DOV	VN —	Pull-Down Connection Terminal.				
68	v_{DD}	_	Power Supply Connection Terminal.				
69	X2		System Clock OSC Circuit Connection Terminal (4.9152MHz)				
70	X1		System Clock OSC Circuit Connection Terminal. (4.9152MHz)				
71	GND	_	GND Connection Terminal.				
72	NC	_	No Connection Terminal.				

No.	Symbol	1/0	Terminal Description
73	GND	_	GND Connection Terminal.
74	AV _{DD}	_	Analog Power Supply Terminal for A/D Converter.
75	AVREF	ı	Reference Voltage Input Terminal for A/D Converter.
76	S-METER	ı	Signal Meter Input Terminal.
77	MULTIPATH	1	Multi Path Rejection Detection Terminal for Receiving Station.
78	SELECT	1	Function Set Up Input Terminal.
79	GND	_	GND Connection Terminal.
80	NOSE ON	ı	Front Panel Detection Signal Input Terminal.

NOTE : ○: For TDM-7545R Model Only,

 \triangle : For TDM-7544R Model Only,

Others :Common.

Electrical Parts List

Resistor: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

			Capacitor: // F=				ls
		Abbrev			ymbol	Part No.	Description
	RES.= Re	esistor	CAP.= Capacitor	H	No.		
	C.F.= Ca	rbon Film	ELY.= Electrolytic	0	Q501	48E22900S01	CP., 2SA1037K
	M.F.= Me	etal Film	CER.= Ceramic	0	Q502	48E22093S01	CP., DTC114EK
	И.О.= Me	etal Oxide Film	MYL.= Mylar	0	Q503	48E22093S01	CP., DTC114EK
1	Л.Р.= Me	tal Plate	TAN.= Tantalum	0	Q504	48E22093S01	CP., DTC114EK
	FR. = Tra		POLY.= Polystyrol	0	Q505	48E11274S01	CP., FMC2
1 -	rans.=	Transformer	PP. = Polypropylene	H	1	į	
•	CP. = Chi	ip	PLT.= Polyethylene		Q506	48E10426S01	CP., DTC124EK
			PF. = Polyester Film		Q507	48E22092S01	CP., DTA124EK
S	ymbol	Part No.	Description		Q508	48E10426S01	CP., DTC124EK
	No.		·		Q801	48E23853\$01	2SB1243
					Q802	48E22095S01	CP., DTC143XK
L	Main	P.W.Board		ı	1		
					Q803	48E23606S01	2SD1859
	IC's				Q804	48E23542S01	2SD2008
	IC001	51E20551S01	NJM4558M		Q805	48E23606S01	2SD1859
1	IC002	51E23844S01	NJU4066BM	ı	Q807	48E11274S01	CP., FMC2
	IC003	51T85265W02	LC72191JM		Q808	48E23853S01	2SB1243
	IC004	51T55054W02	SAA6579T		1		
ſ	IC005	51E20551S01	NJM4558M	1	Q809	48E22093S01	CP., DTC114EK
	l				Q810	48E22900S01	CP., 2SA1037K
	1C006	51E23842S01	NJM2904M		Q811	48E10426S01	CP., DTC124EK
0	IC201	51T11210W01	CXA1102M		Q812	48E23606S01	2SD1859
	IC202	51T65131W01	TEA6320T	1	Q813	48E22092S01	CP., DTA124EK
	IC203	51E20551S01	NJM4558M	1			
\circ	IC204	51E23844S01	NJU4066BM		Q814	48E23601S01	CP., DTC114TK
					Q815	48E22900S01	CP., 2SA1037K
\circ	IC205	51E20551S01	NJM4558M		Q820	48E10426S01	CP., DTC124EK
l	IC206	51E20551S01	NJM4558M				
	IC207	51T95038W02	TDA8567Q				
	IC501	51T15162Y01	15162Y01	L			
l	IC502	51T95014F13	S-8052HNM-CR				
	10500	F1T1F001V01	GT04040FM0TD			s / Surge Pr	
		51T15231Y01	ST24C16FM6TR		D001	48E22916S01	1SS133
	IC504	51T95563W01	S-80744HL	1	D002	48E22916S01	1\$\$133
				1	D003	48E22916S01	155133
l					D201	48T68580F03	DSA3A4
⊢	<u> </u>	L		0	D501	48E10945S01	CP., DAN202K
	Trans	ietore		1	DECO	49522016501	155122
⊩	Q001	48E23541S01	2SB1238		D502 D504	48E22916S01	155133
	Q002	48E11274S01	CP., FMC2		D801	48E22916S01 48E10945S01	15S133
	Q004	48E23846S01	CP., FMG1		D801	1	CP., DAN202K
	Q005	48E10426S01	CP., DTC124EK		D803 D804	48E22916S01	155133
	Q006	48E22092S01	CP., DTG124EK		J604	48E20758S01	11ES2
	1	.522252501	OI., DIRIZTER	1	Dene	4050016001	156100
	Q007	48E10426S01	CP., DTC124EK		D805 D806	48E22916S01	155133
ĺ	Q008	48E10426S01	CP., DTC124EK			48E22916S01	15S133
	Q009	48E10426S01	CP. DTC124EK		ZD201 ZD801	48E25416S01	Zener, MTZJ4.7B
	1	48E27613S01	CP., DTC124EK		ZD801 ZD802	48T83128F27	Zener, HZS9C3L
Ī	Q020	48E27613S01	CP., DTC124TK		20002	48T83128F25	Zener, HZS9C1L
		.5227015501	O, D101241N		70000	40T02420F05	Zonos UZCOČI
	Q203	48E23846S01	CP., FMG1			48T83128F25 48T83128F13	Zener, HZS9C1L
ľ	Q204	48E20986S01	CP., DTC343TK			48183128F13 48T83128F04	Zener, HZS7B1L
	Q205	48E20986S01	CP., DTC343TK			48183128F04 48T81909F01	Zener, HZS6B1L
	Q206	48E10426S01	CP., DTC124EK		1007001	+01019U9FU1	Surge Protector, DSP-201M
		.5210420001	J., DIGIETER				
	L			1.	L	l	1

Symbol	Part No.	Description		mbol	Part No.		Description
No.	<u> </u>			No.		ļ	2.0 5 (50)
				E011	23E09402S13	ELY.,	2.2µF / 50V
Coils				C012	08E22083S01	CP.,	0.01μF _
L001	25E23608S01	Inductor, 4.7µH		C013	08E27616S01	TF,	0.33µF
L002	24E24202S01	Inductor, 15µH		C014	08E22083S01	CP.,	0.01μF
L501	24E22096S01	Inductor, CP. 1µH		C015	08E22081S01	CP.,	1000pF
L502	24E22096S01	Inductor, CP. 1µH					
L801	24E27607S01	Choke, Trans.	H	C016	08E22081S01	CP.,	1000pF
i i				C017	08E22081S01	CP.,	1000pF
				C018	08E22081S01	CP.,	1000pF
1				C021	08E23580S01	CP.,	24pF
				C022	08E23579S01	CP.,	18pF
Crysta	als						
XL001	91E24846S01	7.2MHz		C023	08E08423S05	CP.,	30pF
XL002	91E27606S01	4.332MHz		C024	08E08423S05	CP.,	30pF
XL501	91E27605S01	4.9152MHz		C025	08E22085S01	CP.,	0.022µF
		<u> </u>		C026	08E22083S01	CP.,	0.01µF
				C027	08E22079S01	CP.,	330pF
1 [
	I			C028	08E27612S01	CP.,	560pF
Filter				C029	08E22083S01	CP.,	0.01µF
	91T75257W02	LPF11830KH		C030	08E22511S01	CP.,	820pF
	ļ			C201	08E22083S01	CP.,	0.01µF
		}	\cap	E201	23E09402S01	ELY.,	1µF / 50V
			$\ \cdot \ $				r
		<u> </u>		C202	08E22086S01	CP.,	0.033µF
Switc	h		0	E202	23E09402S01	ELY.	1μF / 50V
	40E27609S01	Tact, SKHH17920A (RESET)	${}^{\smile}$	C203	08E22086S01	CP.,	0.033µF
0,,,,,,	100227000001	Table Old III 7 525A (ILESET)	0	E203	23E09402S02	ELY.,	10µF / 16V
	•			C204	08E23599S01	CP	5600pF
				0204	0822339301	JOF .,	3000рг
<u> </u>	<u> </u>		0	E204	23E09402S09	ELY.,	100μF / 10V
Cana	nitara			C205	08E23599S01	CP.,	5600pF
Capad IC001	08E24214S01	CP., 0.039μF	0	E205	23E09402S07	ELY.,	22μF / 10V
E001	23E09402S10	ELY., 0.1µF / 50V		E206	23E09402S07	ELY.,	•
C002	08E26532S01	CP., 0.1µF		E207	23E09402S03	ELY.,	0.68μF / 50V 0.68μF / 50V
<u> </u>	08E27735S01	CP., 0.15F			20203402303	1.,	υ.υυμι <i>/</i> ουν
△ C002 E002	23E09402S02	ELY., 10μF / 16V		E200	23500403504	EIV	105 / 507
E002	20203402302	Ι		E208 E209	23E09402S01 23E09402S03	ELY.,	1μF / 50V
C003	09509577504	CP 0.027:15			1		0.68µF / 50V
- 1	08E08577S04	CP., 0.027µF		C210	08E22081S01	CP.,	1000pF
△ C003	08E22086S01	CP., 0.033µF		E210	23E09402S03	ELY.,	0.68μF / 50V
E003	23E09402S01	ELY., 1µF / 50V		E211	23E27614S01	ELY.,	4.7μ F / 16V
○ C004	08E08577S04	CP., 0.027µF		E010	00507044004		47
△ C004	08E22086S01	CP., 0.033μF		E212	23E27614S01	ELY.,	4.7µF / 16V
	005051555	E.V. 0.05 = 1=0:		E213	23E09402S12	ELY.,	47μF / 10V
E004	23E09402S16	ELY., 0.33µF / 50V		E214	23E09402S09	ELY.,	100μF / 10V
C005	08E22083S01	CP., 0.01μF		E215	23E09402S03	ELY.,	0.68μ F / 50V
E005	23E09403S03	ELY., (B.P) 2.2μF / 35V		E216	23E09402S03	ELY.,	0.68µF / 50V
C006	08E22083S01	CP., 0.01μF					
E006	23E09402S09	ELY., 100µF / 10V		E218	23E09402S09	ELY.,	100μF / 10V
				C219	08E22088S01	CP.,	0.1μF
C007	08E22435S01	TF, 0.1μF		E219	23E09402S02	ELY.,	10μF / 16V
E007	23E27615S01	ELY., 100µF / 16V		E220	23E09402S02	ELY.,	10μF / 16V
C008	08E22083S01	CP., 0.01µF		E221	23E09402S02	ELY.,	10μF / 16V
C009	08E22938S01	TF, 0.047μF]	
E009	23E09402S07	ELY., 22µF / 10V		E222	23E09402S02	ELY.,	10μF / 16V
				E223	23E09402S02	ELY.,	10µF / 16V
C010	08E22085S01	CP., 0.022µF		E224	23E09402S02	ELY.,	10µF / 16V
E010	23E09402S02	ELY., 10µF / 16V		E225	23E09402S03	ELY.,	0.68μF / 50V
		<u>'</u>					copi i de t
		<u> </u>				4	

S	ymbol	Part No.	Description	S	ymbol	Part No.	Description
	No.			L	No.		
1	E226	23E09402S03	ELY., 0.68µF / 50V	I	R019	06E22051S01	2.2K ohm
	E227	23E09402S03	ELY., 0.68µF / 50V	1	R020	06E22035S01	18K ohm 1/8W
	E228	23E09402S03	ELY., 0.68µF / 50V	1	R021	06E22041S01	100 ohm
	E229	23E09402S04	ELY., 3.3µF / 25V		R022	06E22060S01	22K ohm
	E230	23E27604S01	ELY., 4700μF / 16V		R023	06E22048S01	1K ohm
	E241	23E09402S03	ELY., 0.68µF / 50V	ı	R025	06E22115S01	100 ohm 1/4W
	E242	23E09402S03	ELY., 0.68µF / 50V	ı	R027	06E20903S01	10K ohm
0	C501	08E22088S01	CP., 0.1µF	1	R028	06E20903S01	10K ohm
	E501	23E09402S02	ELY., 10µF / 16V		R029	06E20903S01	10K ohm
0	C503	08E08577S02	CP., 1500pF		R030	06E22051S01	2.2K ohm
	_			l			
1	E503	23E09402S09	ELY., 100μF / 10V		R032	06E22048S01	1K ohm
	C504	08E22085S01	CP., 0.022µF		R033	06E20903S01	10K ohm
ı	C505	08E23580S01	CP., 24pF	1	R034	06E22062S01	47K ohm
	C506	08E08423S04	CP., 27pF		R036	06E22048S01	1K ohm
	C507	08E22083S01	CP., 0.01μF	ł	R037	06E22048S01	1K ohm
0	C508	08E22085S01	CP., 0.022μF		R038	06E22037S01	100K ohm 1/8W
	C510	08E22899S01	CP., 100pF	1	R039	06E22041S01	100 ohm
	C512	08E22085S01	CP., 0.022μF	1	R040	06E23575S01	330K ohm
	C513	08E23557S01	CP., 390pF	l	R041	06E22058S01	12K ohm
	C801	08E22085S01	CP., 0.022μF	•	R042	06E20903S01	10K ohm
	E802	23E08383S08	ELY., 10μF / 16V	l	R043	06E22066S01	220K ohm
	E803	23E08383S08	ELY., 10µF / 16V	ŀ	R044	06E22051S01	2.2K ohm
	E805	23E09402S02	ELY., 10µF / 16V		R045	06E22062S01	47K ohm
	E806	23E08383S18	ELY., 0.1µF / 50V	ŀ	R046	06E22062S01	47K ohm
	E807	23E08383S15	ELY., 1µF / 50V		R051	06E20903S01	10K ohm
	E808	23E08383S08	ELY., 10µF / 16V		R201	0650060604	4714 abov
ŀ		2020000000	торг / тоу			06E22062S01	47K ohm
					R202	06E22062S01	47K ohm
					R203	06E22891S01	33K ohm 1/8W
<u> </u>	L		(41)	1	R204	06E22061S01	33K ohm
	Resis	tors	(All resistors are chip 1/10W±5% unless otherwise noted.)		R205	06E22921S01	47K ohm 1/8W
	R001	06E22051S01	2.2K ohm		R206	06E22062S01	47K ohm
1	R003	06E20850S01	39K ohm		R207	06E22062S01	47K ohm
	R004	06E22055S01	4.7K ohm	0	R208	06E22055S01	4.7K ohm
1	R007	06E20904S01	27K ohm		R211	06E22054S01	3.9K ohm
	R008	06E22060S01	22K ohm		R212	06E22054S01	3.9K ohm
	R009	06E22064S01	68K ohm		R213	06E22057S01	8.2K ohm
	R010	06E27611S01	75K ohm	0	R214	06E22057S01	8.2K ohm
1	R011	06E22951S01	3K ohm		R215	06E20851S01	43K ohm
0	R012	06E22048S01	1K ohm		R218	06E20903S01	10K ohm
Δ	l	06E22050S01	1.8K ohm	I	R219	06E20903S01	10K ohm
0	R013	06E22048S01	1K ohm		Page	06532507004	15K ohm
	R013	1	1.8K ohm		R220	06E22507S01	15K ohm
\triangle	ı	06E22050S01			R220	06E20904S01	27K ohm
	R014	06E22058S01	12K ohm		R221	06E22507S01	15K ohm
	R014 R015	06E22053S01 06E22058S01	3.3K ohm 12K ohm		R221 R222	06E20904S01 06E22060S01	27K ohm 22K ohm
				l			
Δ	R015	06E22053S01	3.3K ohm	0	R223	06E22060S01	22K ohm
	R016	06E22048S01	1K ohm	0	R224	06E22042S01	220 ohm
1	R017	06E22048S01	1K ohm	0	R225	06E22042S01	220 ohm
	R018	06E22051S01	2.2K ohm	Δ	R226	06E24189S01	150 ohm
<u> </u>	<u> </u>	L					

 $\label{eq:note:common} \mbox{NOTE}:\bigcirc\mbox{: For TDM-7545R Model Only,} \quad \triangle\mbox{: For TDM-7544R Model Only,} \quad Others:\mbox{ Common.}$

	mbol	Part No.	Description	S	ymbol	Part No.	Description
	No.	00504460004	450	-	No.	06E22049504	1K ohm
	R227	06E24189S01	150 ohm		R538	06E22048S01	
	R228	06E22060S01	22K ohm	1	R539	06E22048S01	1K ohm
	R229	06E22060S01	22K ohm	1	R540	06E22048S01	1K ohm
	R230	06E22041S01	100 ohm	1	R541	06E22048S01	1K ohm
1	R231	06E22041S01	100 ohm	1	R542	06E22062S01	47K ohm
	Daga	0050000000	7.5V abov		DE 42	06536014501	10K ohm 1/8W
	R232	06E22926S01	7.5K ohm	1	R543	06E26014S01 06E22065S01	100K ohm
1 1	R232	06E22055S01	4.7K ohm		R544 R545	1	51K ohm
	R233	06E22926S01	7.5K ohm		l .	06E22546S01	82K ohm
	R233	06E22055S01	4.7K ohm		R545	06E23573S01	1K ohm
\circ	R234	06E22926S01	7.5K ohm		R546	06E22048S01	I K Offili
	D024	06533055501	4.7K ohm		R548	06E20752S01	. 220 ohm 1/4W
-	R234	06E22055S01	7.5K ohm		R550	06E20903S01	10K ohm
0	R235	06E22926S01			i .	06E20903S01	10K ohm
Δ	R235	06E22055S01	4.7K ohm	0	R551		47K ohm
	R236	06E22060S01	22K ohm	1	R554	06E22062S01	47K ohm 1/8W
	R237	06E22060S01	22K ohm		R555	06E22921S01	47 K 011111 1/044
	R238	06E22060S01	22K ohm	I	R556	06E20752S01	220 ohm 1/4W
•		1				l l	22K ohm
1	R239 R240	06E22060S01 06E22051S01	22K ohm 2.2K ohm	1	R557 R558	06E22060S01 06E22036S01	22K ohm 1/8W
	1		2.2K ohm 1/8W	1	R559	06E22060S01	22K ohm
1	R241	06E22504S01 06E22051S01	2.2K ohm 1/6W	ľ	R801	06E26014S01	10K ohm 1/8W
	R242	106E22051501	2.2K OHH	1	hout	06226014301	TON OTHER TROOP
	R243	06E22504S01	2.2K ohm 1/8W	1	R802	06E22075S01	1.5K ohm 1/4W
1	R244	06E22042S01	220 ohm	1	R803	06E22075S01	1.5K ohm 1/4W
	R245	1	4.7K ohm 1/8W	1	R804	06E22548S01	470 ohm 1/4W
1	l .	06E22033S01		1	R805		750 ohm 1/8W
1	R509	06E22058S01	12K ohm 10K ohm	1	R806	06E23734S01	390 ohm 1/4W
1	R510	06E20903S01	TOK OTHER	1	1000	06E23859S01	390 OHH 174W
	R511	06E20903S01	10K ohm		R808	06E23596S01	8.2 ohm 1/4W
	R512	06E20903S01	10K ohm		R809	06E23596S01	8.2 ohm 1/4W
	R513	06E20903S01	10K ohm		R810	06E23596S01	8.2 ohm 1/4W
0	R514	06E22053S01	3.3K ohm		R811	06E20903S01	10K ohm
_	R515	06E22051S01	2.2K ohm		R812	06E20903S01	10K ohm
		00222001001	2.2.1	1	1.0.2	002200000	1911 911111
0	R516	06E22041S01	100 ohm		R813	06E20903S01	10K ohm
	R518	06E20903S01	10K ohm		R814	06E22076S01	2.2K ohm 1/4W
	R519	06E22060S01	22K ohm		R815	06E20903S01	10K ohm
	R520	06E22060S01	22K ohm		R816	06E22075S01	1.5K ohm 1/4W
	R521	06E22060S01	22K ohm		R817	06E22033S01	4.7K ohm 1/8W
							•
	R522	06E22055S01	4.7K ohm	I	R818	06E22033S01	4.7K ohm 1/8W
0	R523	06E22051S01	2.2K ohm	1	R819	06E22032S01	3.9K ohm 1/8W
	R524	06E22052S01	2.7K ohm		R820	06E22051S01	2.2K ohm
	R525	06E22656S01	6.8K ohm 1/8W	1	R821	06E20903S01	10K ohm
	R526	06E22055S01	4.7K ohm		R822	06E22030S01	1K ohm 1/8W
1				I			
	R527	06E22036S01	22K ohm 1/8W		R823	06E26014S01	10K ohm 1/8W
	R528	06E22062S01	47K ohm	I	R824	06E23596S01	8.2 ohm 1/4W
	R529	06E22048S01	1K ohm		R825	06E22075S01	1.5K ohm 1/4W
1	R530	06E22048S01	1K ohm	0	VR201	18E20754S01	Variable, 10K ohm
	R533	06E22065S01	100K ohm	0	VR202	18E20754S01	Variable, 10K ohm
				1			
	R534	06E22066S01	220K ohm			-	
1	R535	06E22921S01	47K ohm 1/8W	1			
1	R536	06E22030S01	1K ohm 1/8W		ł	1	
1	R537	06E22062S01	47K ohm		1		
L							

 $\label{eq:note:common} \mbox{NOTE}: \bigcirc : \mbox{For TDM-7545R Model Only,} \quad \triangle : \mbox{For TDM-7544R Model Only,} \quad Others : \mbox{Common.}$

No. No. SW407 40775234W01 Tact, SKQNAC (EJECT) SW408 40775234W01 Tact, SKQNAC (UP/FF) SW409 40775234W01 Tact, SKQNAC (BAND/P SW410 40775234W01 Tact, SKQNAC (BAND/P SW410 40775234W01 Tact, SKQNAC (BAND/P SW412 40775234W01 Tact, SKQNAC (BAND/P SW412 40775234W01 Tact, SKQNAC (BAND/P SW412 40775234W01 Tact, SKQNAC (IT.INFO) SW413 40775234W01 Tact, SKQNAC (IT.INFO) SW414 40775234W01 Tact, SKQNAC (IT.INFO) SW415 40775234W01 Tact, SKQNAC (NEWS/1 SW414 40775234W01 Tact, SKQNAC (NEWS/1 SW416 40775234W01 Tact, SKQNAC (IT.INFO) SW416 40775234W01 Tact, SKQNAC (IT.INFO) SW417 40775234W01 Tact, SKQNAC (IT.INFO) SW418 40775234W01 Tact, SKQNAC (IT.INFO) Tact, SKQNAC (IT.INFO) Tact, SKQNAC (IT.INFO) SW418 40775234W01 Tact, SKQNAC (IT.INFO)	Sy	/mbol	Part No.	Description	S	ymbol	Part No.	Description
Front P.W.Board			<u> </u>	-				
Color								1 '
C'S	<u> </u>	Front	P.W.Board					The state of the s
C401 \$1195040W01 SBX8035F SW410 40175234W01 Tact, SKQNAC (BANDP SW412 40175234W01 Tact, SKQNAC (INEWS) SW414 40175234W01 Tact, SKQNAC (INEWS) SW415 40175234W01 Tact, SKQNAC					1			
C402 S1795040W01 SBX8035F	<u>L</u>				1			Tact, SKQNAC (BAND/PROG/TITLE)
Transistor			1		Δ	SW410	40T75234W01	Tact, SKQNAC (BAND/PROG)
Transistor	0	IC402	51T95040W01	SBX8035F		l		
Transistor						1		· · ·
Transistor							1	
Transistor		L	l <u></u>				1	The state of the s
Diodes		-			Δ	1	1	
Diodes	-			ICD DTC124EK		5VV414	401752349001	Tact, Skunac (PTY/2/P.S. DN)
Diodes		Q401	48610426501	CP., DICIZAER		CWATE	40T7E224W01	Toot SKONAC (2/DS LIP)
Diodes					1		1	
Diodes						l .		
Diodes						ľ	i	·
D401	1	Diada	ie.				i .	Tact, SKQNAC (M.I.X./4/B. SKIP)
D402				ICP DA204K			.5., 52541101	Table Ordered (Million MP)
D403			1	I ·				
D404				ł '	1			
Lamps		D404	48E10946S01	4 ·		L	!	
Lamps ○ PL401 65T85125W05				1		Capac	citors	
Carrier Car		·		<u> </u>				CP., 0.022μF
Lamps C PL401 65T85125W05 9V-100mA △ PL401 65T75233W01 9V-85mA CP., 6V-80mA (All resistors are chip 1/1 PL405 65T75233W01 CP., 6V-80mA (All resistors are chip 1/1 PL406 65T75233W01 CP., 6V-80mA (All resistors are chip 1/1 PL406 65T75233W01 CP., 6V-80mA (All resistors are chip 1/1 PL406 65T75233W01 CP., 6V-80mA (All resistors are chip 1/1 PL406					1	E401	23T25191W42	CP. ELY., 22µF / 6.3V
○ PL401 65T85128W0S 89V-100mA PL404 65T75231W01 9V-85mA PL405 65T75233W01 CP., 6V-80mA PL406 65T75233W01 CP., 6V-80mA PL407 65T75233W01 CP., 6V-80mA PL407 65T75233W01 CP., 6V-80mA PL407 65T75233W01 CP., 6V-80mA R401 06E22051S01 1.5K ohm R402 06E22051S01 2.2K ohm R403 06E22053S01 3.3K ohm R404 06E22051S01 2.2K ohm R405 06E20903S01 10K ohm LD401 48T65477W03 CP., SML-010LTT87 (RED) R406 06E22051S01 2.2K ohm LD402 48T65477W03 CP., SML-010PTT87 (GRN) R410 06E22051S01 3.3K ohm LD404 48T65477W03 CP., SML-010PTT87 (GRN) R411 06E22051S01 1.5K ohm LD405 48T65477W02 CP., SML-010PTT87 (GRN) R411 06E22051S01 1.5K ohm R416 06E22051S01 3.3K ohm 1.0K ohm<	<u> </u>		1	·	ł	C402	08E08423S06	CP., 680pF
○ PL401 65755231W01 9V-85mA PL404 65775233W01 CP., 6V-80mA PL405 65775233W01 CP., 6V-80mA PL406 65775233W01 CP., 6V-80mA PL407 65775233W01 CP., 6V-80mA PL407 65775233W01 CP., 6V-80mA PL407 65775233W01 CP., 6V-80mA R400 06E22053S01 1.5K ohm R400 06E22053S01 2.2K ohm R400 06E22053S01 3.3K ohm R404 06E22053S01 1.5K ohm R406 06E22051S01 2.2K ohm R407 06E22051S01 2.2K ohm R408 06E22051S01 2.2K ohm R409 06E22051S01 2.2K ohm R408 06E22051S01 3.3K ohm R409 06E22051S01 3.5K ohm R410 06E22051S01 1.5K ohm R411 06E22051S01 1.5K ohm R412 06E22051S01 1.5K ohm R413 06E22051S01 1.5K ohm <	1	Lamp	s		1	1		1
PL404 PL405 65T75233W01 CP., 6V-80mA PL406 65T75233W01 CP., 6V-80mA PL407 65T75233W01 CP., 6V-80mA PL408 06E22051S01 2.2K ohm PL409 06E22053S01 3.3K ohm PL408 06E22053S01 3.3K ohm PL408 06E22053S01 3.3K ohm PL409 06E22053S01	0	PL401		9V-100mA	1		Ī	
PL405 65T75233W01 CP., 6V-80mA CP., 6V-80mA R401 06E21164S01 1.5K ohm R402 06E22053S01 3.3K ohm R403 06E22053S01 3.3K ohm R404 06E2211S01 5.6K ohm R405 06E2093S01 10K ohm R405 06E2093S01 10K ohm R406 06E21164S01 1.5K ohm R406 06E22053S01 3.3K ohm R406 06E22053S01 3.3K ohm R406 06E22051S01 2.2K ohm R406 06E22053S01 3.3K ohm R407 06E22051S01 2.2K ohm R408 06E22053S01 3.3K ohm R409 06E22051S01 2.2K ohm R409 06E22051S01 2.2K ohm R409 06E22051S01 2.2K ohm R409 06E22111S01 5.6K ohm R409 06E22051S01 2.2K ohm R409 06E22111S01 5.6K ohm R410 06E20903S01 10K ohm R410 06E20903S01 10K ohm R410 06E22051S01 2.2K ohm R411 06E21164S01 1.5K ohm R412 06E22051S01 2.2K ohm R413 06E22051S01 2.2K ohm R414 06E22051S01 2.2K ohm R415 06E22051S01 2.2K ohm R416 06E22051S01 2.2K ohm R417 06E22051S01 2.2K ohm R418 06E22051S01 2.2K ohm R419 06E22051S01 3.3K ohm R416 06E22051S01 3.3K ohm R416 06E22051S01 3.3K ohm R417 06E20903S01 10K ohm R418 06E20903S01 10K ohm R419 06E20903S01 10K ohm R419 06E20903S01 10K ohm R420 06E20903S01 10K ohm R420 06E20903S01 10K ohm R420 06E20903S01 10K ohm R420 06E22051S01 180K ohm R420 06E22051S01	Δ	PL401	65T75231W01	9V-85mA				1
PL406 65T75233W01 CP., 6V-80mA R401 06E21164S01 1.5K ohm R402 06E22051S01 2.2K ohm R403 06E22053S01 3.3K ohm R405 06E22051S01 2.2K ohm R406 06E22051S01 2.2K ohm R407 06E22051S01 2.2K ohm R407 06E22051S01 2.2K ohm R408 06E22051S01 2.2K ohm R408 06E22051S01 2.2K ohm R409 06E22051S01 2.2K ohm R410 06E22053S01 10K ohm R411 06E21164S01 1.5K ohm R412 06E22051S01 2.2K ohm R414 06E22111S01 5.6K ohm R414 06E22111S01 5.6K ohm R414 06E22111S01 5.6K ohm R415 06E22053S01 10K ohm R416 06E22053S01 10K ohm R417 06E20903S01 10K ohm R418 06E20903S01 10K ohm R419 06E22053S01 10K ohm R419 06E20903S01 10K ohm R419 06E20903S01 10K ohm R419 06E20903S01 10K ohm R420 06E205354S01 180K ohm R420 06E23574S01 180K ohm R420 06E23574S01 180K ohm R420 06E23574S01 180K ohm R420 06E23574S01 180K ohm R420 06E22051S01 180K ohm R420 06E23574S01 180K ohm R420 06E23574S01 180K ohm R420 06E22051S01 180K ohm R420 0		PL404	65T75233W01	CP., 6V-80mA				(All resistors are chip 1/10W±5%
PL407 65775233W01 CP., 6V-80mA R402 06E22051S01 0.6E22053S01 3.3K ohm 06E22053S01 0.6E22053S01 0.6E22053S01 0.6E22053S01 0.6E20903S01 1.0K ohm 0.6E20903S01 1.0K ohm 0.6E20903S01 0.0K ohm 0.0E20903S01 0.0E20903S01 0.0K ohm 0.0E20903S01 0.0K ohm 0.0E20903S01			65T75233W01		L			unless otherwise noted.)
PL407 65T75233W01 CP., 6V-80mA		PL406	65T75233W01	CP., 6V-80mA		1		
R404 06E22111S01 5.6K ohm 10K ohm 10ED					1		1	
R405 06E20903S01 10K ohm		PL407	65T75233W01	CP., 6V-80mA		1	1	
LED's LD401	1					1		
LED's R407 06E22051S01 2.2K ohm LD401 48T65477W02 CP., SML-010LTT87 (RED) R408 06E22053S01 3.3K ohm LD402 48T65477W03 CP., SML-010PTT87 (GRN) R409 06E22111S01 5.6K ohm LD403 48T65477W03 CP., SML-010PTT87 (GRN) R410 06E20903S01 10K ohm LD405 48T65477W02 CP., SML-010LTT87 (RED) R411 06E21164S01 1.5K ohm R412 06E22051S01 2.2K ohm 3.3K ohm R413 06E22053S01 3.3K ohm R414 06E22111S01 5.6K ohm R415 06E22053S01 3.3K ohm R416 06E22053S01 3.3K ohm R417 06E20903S01 10K ohm R418 06E22061S01 33K ohm R419 06E20903S01 10K ohm R419 06E20903S01 10K ohm R419 06E20903S01 10K ohm R420 06E20903S01 10K ohm R421 06E20903S01 10K ohm <td></td> <td></td> <td></td> <td>1</td> <td>l</td> <td>R405</td> <td>06E20903S01</td> <td>10K ohm</td>				1	l	R405	06E20903S01	10K ohm
LED's R407 06E22051S01 2.2K ohm LD401 48T65477W02 CP., SML-010LTT87 (RED) R408 06E22053S01 3.3K ohm LD402 48T65477W03 CP., SML-010PTT87 (GRN) R409 06E22111S01 5.6K ohm LD403 48T65477W03 CP., SML-010PTT87 (GRN) R410 06E20903S01 10K ohm LD405 48T65477W02 CP., SML-010LTT87 (RED) R411 06E21164S01 1.5K ohm R412 06E22051S01 2.2K ohm 3.3K ohm R413 06E22053S01 3.3K ohm R414 06E22111S01 5.6K ohm R415 06E22053S01 3.3K ohm R416 06E22053S01 3.3K ohm R417 06E20903S01 10K ohm R418 06E22061S01 33K ohm R419 06E20903S01 10K ohm R419 06E20903S01 10K ohm R419 06E20903S01 10K ohm R420 06E20903S01 10K ohm R421 06E20903S01 10K ohm <td>ш</td> <td>L</td> <td><u> </u></td> <td></td> <td>ŀ</td> <td>D400</td> <td>00504404004</td> <td>1.516 above</td>	ш	L	<u> </u>		ŀ	D400	00504404004	1.516 above
LD401	1	I EDI-				l	li .	
LD402 48T65477W03 CP., SML-010PTT87 (GRN) LD403 48T65477W03 CP., SML-010PTT87 (GRN) LD404 48T65477W03 CP., SML-010PTT87 (GRN) LD405 48T65477W02 CP., SML-010PTT87 (GRN) LD405 48T65477W02 CP., SML-010LTT87 (RED) SWitches ○ SW401 40T75234W01 Tact, SKQNAC (PWR/INTLZ) SW402 40E23611S01 Tact, CP. EVQPJU04K (MODE/LOUD) SW405 40E23611S01 Tact, CP. EVQPJU04K (MODE/LOUD) SW406 40T75234W01 Tact, SKQNAC SW406 40T75234W01 Tact, SKQNAC SW407 40E23611S01 Tact, CP. EVQPJU04K (DOWN) SW408 40E23611S01 Tact, CP. EVQPJU04K (DOWN) SW409 40T75234W01 Tact, SKQNAC (REW/DN) SW409 40T75234W01 Tact, SKQ				ICP SMI_010(TT97 (PED)	1	•	li .	
LD403 48T65477W03 CP., SML-010PTT87 (GRN) LD404 48T65477W02 CP., SML-010PTT87 (GRN) LD405 48T65477W02 CP., SML-010LTT87 (RED) SWitches Switches SW401 40T75234W01 Tact, SKQNAC (PWR/INTLZ) SW402 40E23611S01 Tact, CP. EVQPJU04K (UP) SW403 40T75234W01 Tact, SKQNAC (REW/DN) SW404 40E23611S01 Tact, CP. EVQPJU04K (MODE/LOUD) SW405 40E23611S01 Tact, CP. EVQPJU04K (DOWN) SW406 40T75234W01 Tact, SKQNAC SW406 40T75234W01 Tact, SKQNAC SW407 Tact, CP. EVQPJU04K (DOWN) SW408 40T75234W01 Tact, SKQNAC (REW/DN) SW409 40E23611S01 Tact, CP. EVQPJU04K (MODE/LOUD) SW409 40E23611S01 Tact, CP. EVQPJU04K (DOWN) SW409 40E23611S01 Tact, CP. EVQPJU04K (DOWN) SW409 40T75234W01 Tact, SKQNAC (REW/DN) SW409 40T75234W01 Tact, SKQNAC (REW/DN) SW409 40T75234W01 Tact, SKQNAC (DOWN) SW409 40T75234W01 Tact, SKQNAC				\ ' '		l .		
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R412 06E22051S01 2.2K ohm R413 06E22053S01 3.3K ohm R414 06E22111S01 5.6K ohm R415 06E22093S01 10K ohm R416 06E22061S01 33K ohm R417 06E20903S01 10K ohm R418 06E22061S01 33K ohm R419 06E20903S01 10K ohm R410 06E22061S01 33K ohm R411 06E22061S01 33K ohm R412 06E22061S01 33K ohm R413 06E20903S01 10K ohm R414 06E22061S01 33K ohm R415 06E20903S01 10K ohm R417 06E20903S01 10K ohm R418 06E20903S01 10K ohm R419 06E20903S01 10K ohm R420 06E20903S01 10K ohm R421 06E23574S01 180K ohm R421 06E23574S01 180K ohm R422 06E23574S01 180K ohm R423 06E22048S01 1K ohm R424 06E23618S01 1K ohm R425 06E22048S01 1K ohm R426 06E22048S01 1K ohm R427 06E22048S01 1K ohm R428 06E22048S01 1K ohm R429 06E22048S01 1K ohm R420 06E22048S01 1K ohm			1	1		R411	06E21164S01	1.5K ohm
R413 06E22053S01 3.3K ohm R414 06E22111S01 5.6K ohm R415 06E20903S01 10K ohm R416 06E22061S01 33K ohm R417 06E20903S01 10K ohm R418 06E20903S01 10K ohm R419 06E20903S01 10K ohm R420 06E20903S01 10K ohm R420 06E20903S01 10K ohm R421 06E23574S01 180K ohm R421 06E23574S01 180K ohm R422 06E23574S01 180K ohm R423 06E22048S01 1K ohm R423 06E22048S01 1K ohm R423 06E22048S01 1K ohm R423 06E22048S01 1K ohm R424 06E23614S01 1K ohm R425 06E22048S01 1K ohm R426 06E22048S01 1K ohm R427 06E22048S01 1K ohm R428 06E22048S01 1K ohm R429 06E22048S01 1K ohm R420 06E22048S01 1K ohm R42								
R414 06E22111S01 5.6K ohm								
SWitches ○ SW401 40775234W01 Tact, SKQNAC (PWR/R.SENSOR/INTLZ) R416 06E22061S01 33K ohm 06E20903S01 10K ohm △ SW401 40775234W01 Tact, SKQNAC (PWR/INTLZ) R417 06E20903S01 10K ohm SW402 40E23611S01 Tact, CP. EVQPJU04K (UP) R419 06E20903S01 10K ohm SW403 40T75234W01 Tact, SKQNAC (REW/DN) R419 06E20903S01 10K ohm SW404 40E23611S01 Tact, CP. EVQPJU04K (MODE/LOUD) R420 06E20903S01 10K ohm SW405 40E23611S01 Tact, CP. EVQPJU04K (DOWN) R421 06E23574S01 180K ohm SW406 40T75234W01 Tact, SKQNAC R422 06E23574S01 180K ohm R423 06E22048S01 1K ohm								i
Switches ○ SW401 40T75234W01 Tact, SKQNAC (PWR/R.SENSOR/INTLZ) R416 06E22061S01 33K ohm 06E20903S01 10K ohm		L	1			l .		i e
○ SW401 40T75234W01 Tact, SKQNAC (PWR/R.SENSOR/INTLZ) R416 06E22061S01 33K ohm 06E20903S01 10K ohm 1	1	Switc	hes	Į.				1
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SW403 40T75234W01 Tact, SKQNAC (REW/DN) R420 06E20903S01 10K ohm SW404 40E23611S01 Tact, CP. EVQPJU04K (MODE/LOUD) R421 06E23574S01 180K ohm SW405 40E23611S01 Tact, CP. EVQPJU04K (DOWN) R422 06E23574S01 180K ohm SW406 40T75234W01 Tact, SKQNAC R423 06E22048S01 1K ohm		SW401	40T75234W01	Tact, SKQNAC (PWR/INTLZ)	I	R418	06E20903S01	10K ohm
SW404 40E23611S01 Tact, CP. EVQPJU04K (MODE/LOUD) R421 06E23574S01 180K ohm SW405 40E23611S01 Tact, CP. EVQPJU04K (DOWN) R422 06E23574S01 180K ohm SW406 40T75234W01 Tact, SKQNAC R423 06E22048S01 1K ohm		SW402	40E23611S01	Tact, CP. EVQPJU04K (UP)	i	R419	06E20903S01	10K ohm
R421 06E23574S01 180K ohm		SW403	40T75234W01	Tact, SKQNAC (REW/DN)	1	R420	06E20903S01	10K ohm
SW405 40E23611S01 Tact, CP. EVQPJU04K (DOWN) R422 06E23574S01 180K ohm SW406 40T75234W01 Tact, SKQNAC R423 06E22048S01 1K ohm		SW404	40E23611S01	Tact, CP. EVQPJU04K (MODE/LOUD)				
SW406 40T75234W01 Tact, SKQNAC R423 06E22048S01 1K ohm						R421	06E23574S01	180K ohm
		SW405	40E23611S01	Tact, CP. EVQPJU04K (DOWN)		R422	06E23574S01	180K ohm
(TUNE/A.ME/PLAY/PAUSE) R424 06E22048S01 1K ohm		SW406	40T75234W01	Tact, SKQNAC		R423	06E22048S01	1K ohm
			1	(TUNE/A.ME/PLAY/PAUSE)		R424	06E22048S01	1K ohm

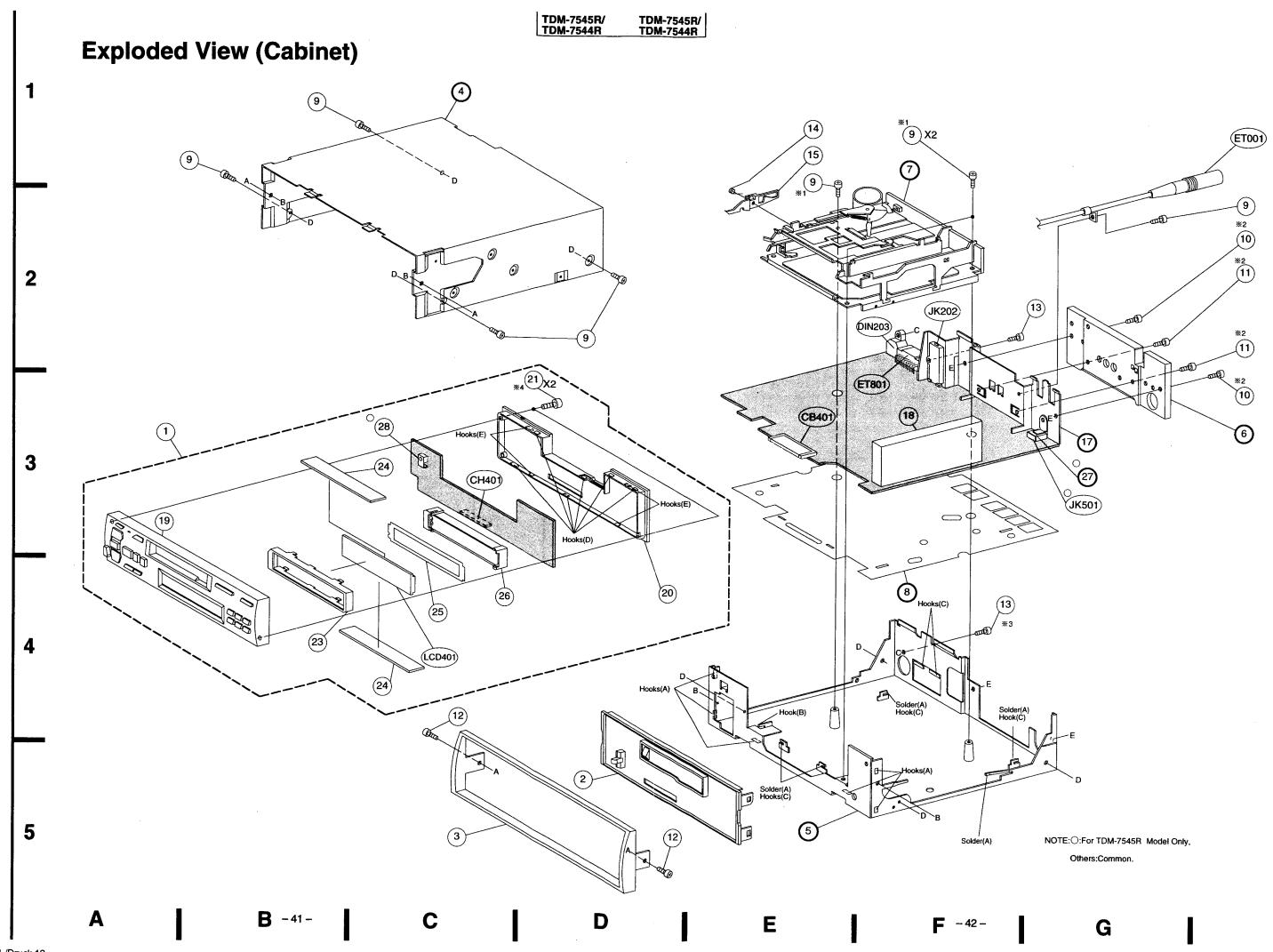
NOTE: \bigcirc : For TDM-7545R Model Only, \triangle : For TDM-7544R Model Only, Others: Common.

S	ymbol	Part No.	Description	Symbol	Part No.	Description
	No.	Taitivo.	Description	No.	l altito.	Description
	R425	06E22048S01	1K ohm	T	•	
1	R427	06E22048S01	1K ohm	Capa	citors	
l	R428	06E22062S01	47K ohm	E3101	23S75372W02	ELY., 100μF / 10V
1	R430	06E23859S01	390 ohm 1/4W	E3102	23S75372W04	ELY., 10μF / 16V
ı	R431	06E23858S01	15 ohm 1/4W	E3103	23\$75372W02	ELY., 100μF / 10V
				E3104	23\$75372W07	ELY., 47μF / 16V
0	R432	06E22048S01	1K ohm	C3105	08\$72783F31	CP., 470pF
ł	R434	06E23264S01	24 ohm 1/4W			
	R435	06E22114S01	27 ohm 1/4W	E3105	23S75372W09	ELY., 4.7μF / 35V
ı	R436	06E22114S01	27 ohm 1/4W	C3106	08S72783F31	CP., 470pF
	R437	06E22114S01	27 ohm 1/4W	E3106	23\$75372W09	ELY., 4.7μF / 35V
-	D420	00533300004	2 0K ahm 1/4M	C3107	08\$72783F31	CP., 470pF
1	R438 R439	06E23860S01 06E23859S01	3.9K ohm 1/4W 390 ohm 1/4W	E3107	23S75372W15	ELY., 1μF / 50V
	R440	06E23839301	1K ohm	C3108	08S72783F31	CP., 470pF
0	R441	06E22859S01	390 ohm 1/4W	E3108	23S75372W04	ELY., 10µF / 16V
	R442	06E23859S01	390 ohm 1/4W	C3109	08S53332F48	CP., 0.012µF
		0022000000	555 GIIII 1744	C3110	08S53332F48	CP., 0.012µF
	R443	06E27623S01	4.3K ohm 1/8W	C3111	08S65128F35	CP., 100pF
Δ	R443	06E22032S01	3.9K ohm 1/8W			
	R444	06E27624S01	6.2K ohm 1/8W	C3112	08\$35374W01	CP., 0.1µF
Δ		06E27736S01	7.5K ohm 1/8W	C3113	08S82122F59	CP., 820pF
	R447	06E23859S01	390 ohm 1/4W	E3501	23S75372W18	ELY., 100µF / 25V
				C3502	08S65128F76	CP., 0.1µF
ŀ	R448	06E23859S01	390 ohm 1/4W	C3503	08S65128F76	CP., 0.1μF
	R449	06E22048S01	1K ohm			
1	R451	06E23860S01	3.9K ohm 1/4W			
1						
1						(All resistors are chip 1/10W±5%
1				Resis		unless otherwise noted.)
1					06S53330F32	130 ohm 1/8W
<u>_</u>		<u></u>		R3102	06S64996F15	360K ohm
1	050			R3103	06S64995F81	15K ohm
—	GRC	ontrol P.W.Bo	oard	R3104	06S53330F81	15K ohm 1/8W
1	ICIa			R3105	06S53330F32	130 ohm 1/8W
\vdash	IC's	51T64606F02	TA7705F	R3106	06S64995F81	15K ohm
1	l	51T75010W01	BA3703F	R3107	06S64995F81	15K ohm
1		51T75628W01	BA6285FP	R3108	06S64996F15	360K ohm
l			3,102301	R3109	06S53330F29	100 ohm 1/8W
1				R3110	06S53330F65	3.3K ohm 1/8W
1			ļ 1	1		
—	L	<u> </u>		R3111	06S53330F65	3.3K ohm 1/8W
	Trans	istors		R3112	06S53330F85	22K ohm 1/8W
		48T84366F05	2SB1243	R3113	06S53330F85	22K ohm 1/8W
	Q3502	48T62967F06	CP., DTC114YK	R3116	06S64995F85	22K ohm
	Q3503	48T62967F06	CP., DTC114YK	R3117	06S64996F01	91K ohm
	Q3504	48T83835F03	2SD1859	i		
				R3118	06S64995F95	56K ohm
				R3119	06S64995F35	180 ohm
	L			R3507	06S70072F41	330 ohm 1/4W
				R3508	06S70072F41	330 ohm 1/4W
	Diode			R3509	06S64995F77	10K ohm
	1	48T81063F01	CP., MA159	I		
	D3501	48T81063F01	CP., MA159		06S70072F60	2K ohm 1/4W
	D3502	48T81063F01	CP., MA159	I.	06S70072F60	2K ohm 1/4W
	ZD3501	48T83128F11	Zener, HZS7A2L		06S53331F01	91K ohm 1/8W
1				R3513	06S53331F01	91K ohm 1/8W
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NOTE : ○: For TDM-7545R Model Only, △: For TDM-7544R Model Only, Others : Common.

	ymbol No.	Part No.	Description	Symbol No.	Part No.	Description
	R3514	06S70072F53 06S81094F09	1K ohm 1/4W M.F., 4.7 ohm 1/2W			
	110010	00381094109	101.1 ., 4.7 Offit 1/244			
ĺ						
1						
	14:	11				
-		llaneous 109T85299W16	16P Connector			
		09T85298W16	16P Connector			
		09T55493W02	DIN Connector 8P			
		09E25398S01 09E23591S01	Assy., Antenna Receptacle Speaker Output &		1	
	E1001	09223391301	Power Supply Connector			
	E	88T95125W02	•			
		09T15335Y01 09E27608S01	Rear Output RCA Connector Remote Control Interface Connector			
_		65T95241W03	LCD Display	1		
_	LCD401	65T85130W04	LCD. Display			
	M3501	01V94700W88	Assy., Main Motor (13.2V-95mA)			
		01V94700W88	Assy., Sub Motor (7V-370mA)			
	1	51T63433F03	Sensor, Photo ON2170-R2			
	•	51T63433F03	Sensor, Photo ON2170-R2	l	<u> </u> 	
l	SW3501	40T15222W01	Switch, Detector (PACK IN)			
	SW3502	40T15382W02	Switch, Detector SPPB32 (PAUSE)	ı		
	SW3503	40T15382W02	Switch, Detector SPPB32 (MODE)			
1	SW3504	40T15382W02	Switch, Detector SPPB32 (METAL)			
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NOTE : ○: For TDM-7545R Model Only, △: For TDM-7544R Model Only, Others : Common.



Cabinet Assembly Parts List

NOTE:F	arts withou	out part nu	<u>ımber are no</u>	t supplied.

6.7	phol 1	Indov	Dowt Ma	Description	Symbol			mber are not supplied. Description
Syr		Index	Part No.	Description	No.		Fait NO.	Description
		3-A	01E27447S01	Assy., Nose Unit	110.			
	1		01E27444S01	Assy., Nose Unit	l			
	2		13E27728S01	Assy., Front Escutcheon	I	1		
	3		33E27729S01	Assy., Face Plate				
	9		03E09416S05	Screw, MCH-TPT (M2.6X6)				
						1		
1	10		03E22117S01	Screw, MCH-TPT (M2.6X8)				
	11	2-G	03E22118S01	Screw, MCH-TPT (M2.6X14)				
	12		03E22133S01	Screw, MCH-TPT (M2.6X6)				
	13		03E27618S01	Screw, TPG-TPT (M2.6X8)				
	14	1-E	41E27727S01	Spring, Lever Door				
	15			Lever, Door				
	18	3-F	77E27449S01	FM/MW/LW Tuner Unit, MB4R6050				
	,,		40507554004	(FE001)	1			
	19		13E27551S01	Assy., Nosepiece	l			
	19 20		13E27550S01 13E26908S01	Assy., Nosepiece Nose, Bottom				
	۲۷	ע-יי	13620300301	14003, DORION)	1			
	21	3-D	03E22134S01	Screw, TPG (M1.7X10)				
	23		15E25405S01	Cover, LCD	1			
	24		75E27730S01	Rubber, Electric				
	25		26E27731S01	Reflector, Sheet				
	26		01E25404S01	Assy., Case LCD				
0	28	3-C	07E27732S01	Bracket, Remote				
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 $NOTE:\bigcirc: For\ TDM-7545R\ Model\ Only,\quad \triangle: For\ TDM-7544R\ Model\ Only,\quad Others:\ Common.$

Disassembly Instructions

1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P91666W52/53).

2. Removal of Front Escutcheon

(1) After removal of Face Plate and Top Cover, remove six Hooks (A). Hooks (A) (4-D, 5-F)

3. Removal of Cassette Deck

(1)) After removal of Front Escutcheon, remove three screws No.9 Screws No. 9 (※1) (1-E, 1-F)
(2)) Remove a Hook (B)	Hook (B) (4-E)

(3) Disconnect the connector from Main P.W. Board.

4. Removal of Main P.W. Board

(1)	After removal of Cassette Deck, remove four screws No. 10, 11,	Screws No. 10, 11 (※2) (2-G, 3-G)
	and remove the Heat Sink.	
(2)	Remove a screw No. 13.	Screw No. 13 (%3) (4-F)

(3) Remove five points of Solder (A) and six Hooks (C). Solder (A) (4-F, 5-E, 5-F) Hooks (C) (4-F, 5-E, 5-F)

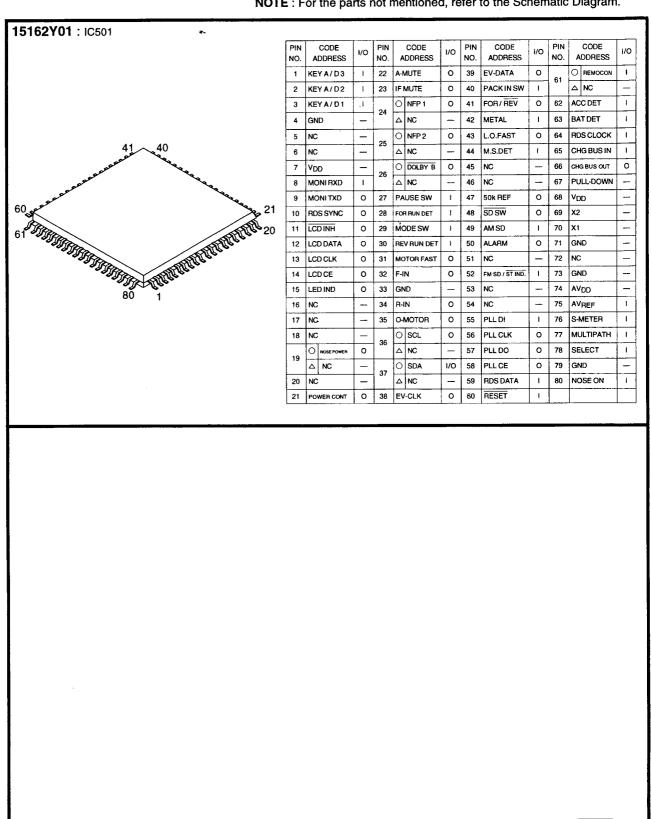
(4) Main P.W. Board with Bracket IC can be removed completely.

5. Removal of Front P.W. Board			
(1)	After removal of Nose Unit, remove two screws No. 21.	Screws No. 21 (%4) (3-D)	
(2)	Remove six Hooks (D), and remove the Nosepiece.	Hooks (D) (3-D)	
(3)	Remove four Hooks (E).	Hooks (E) (3-C, 3-D)	

NOTE: For the screws No., Hook and Solder, refer to the Exploded View (Cabinet).

Semi - Conductor Lead Identifications

NOTE: For the parts not mentioned, refer to the Schematic Diagram.



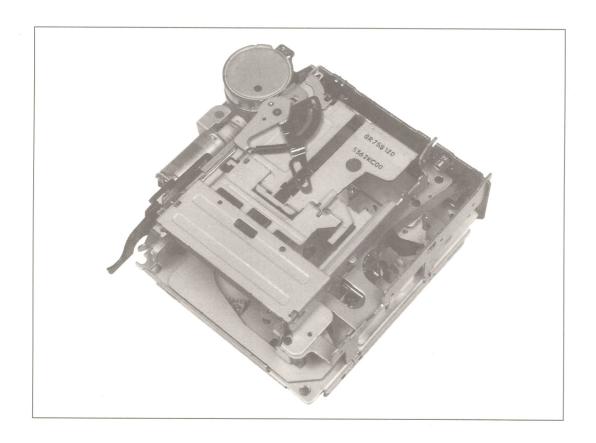
NOTE : ○: For TDM-7545R Model Only,

△: For TDM-7544R Model Only,

Others: Common.

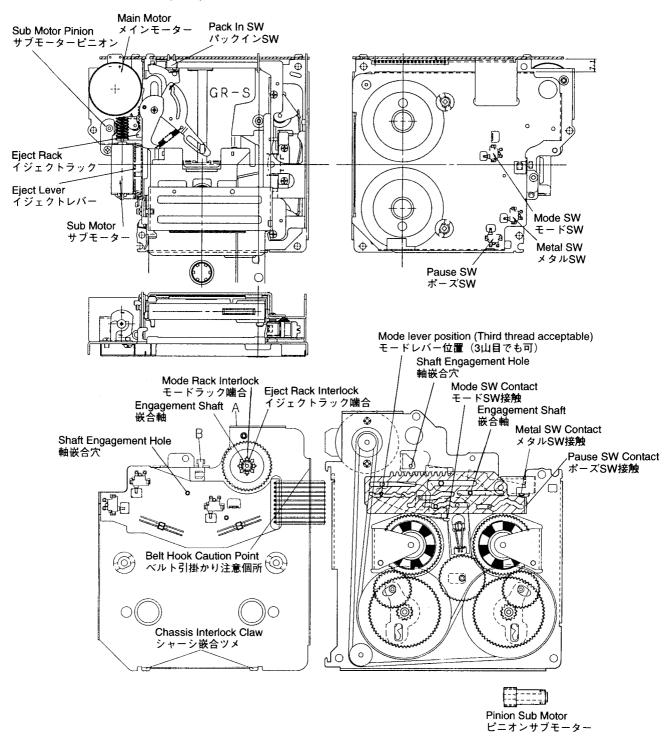


Cassette Deck Mechanism





Basic Operation of GR-S Mechanism GR-Sメカ基本動作



Mode rack engagement should be made so that normal engagement is obtained when an end of section A touches the chassis closely with the pinion sub motor inserted in place and rotated after temporary installation of the bottom cover. In this case, the sub motor wires should be positioned in the normal guide of the section B (should not be jammed). The metal lever should be installed by moving the switch contact section to inside of the mechanism as in GR-H.

モードラックの噛合せはボトムカバー仮装着後PINION SUB MOTORを正規位置に挿入して回転させる。 A部端面がシャーシと密着出来たとき正常な噛合い状態になったことを意味する。 又このときサブモータワイヤがB部の正規ガイド位置にあること。(挟み込みさせないこと。) メタルレバーはGR-Hと同様にSW接触部をメカ内部に移動させて組み込むこと。

A. Loading

- 1. Insert a cassette pack.
- 2. PACK IN SW goes ON→OFF.
- SUB motor rotates and the power is transferred to SUB MOTOR PINION, EJECT rack, and EJECT lever, and moves to the direction shown by the arrow.
- 4. After completion of the cassette pack loading, motion start of the mode lever is detected by checking ON→ OFF of the PAUSE SW, and rotation of the SUB MOTOR stops once, and then the SUB MOTOR rotates in reverse direction until the PAUSE SW is ON again. After the stop of the SUB MOTOR, the main motor rotates.
- 5. When the main motor rotates, both reels rotate in the winding direction and eliminate slack of the tape at the PAUSE position. (Loading completion)

A. ローディング

- 1. カセットパックを挿入する。
- 2. PACK IN SWがON→OFFになる。
- 3. SUBモーターが回転してSUB MOTOR PINION、 EJECTラック、EJECTレバーと動力が伝達し、矢印 方向へ移動する。
- 4. カセットパック装着完了後、モードレバーが動き始めたことを、PAUSE SWがON→OFFすることで、 検知しSUB MOTORの回転を一旦停止させ、再度 PAUSE SWがONするまで逆回転させる、SUB MO-TOR停止後メインモーターを回転させる。
- 5. メインモーターの回転により、両リールを巻き取り 方向に回転させ、テープのタルミをPAUSE位置でな くする。(ローディング完了)

B. Play

- Rotation of the main motor stops and the SUB MO-TOR rotates, thereby moving the mode lever to the PLAY position.
- Motion of the mode lever to the PLAY position is detected by checking ON/OFF number of the mode SW and rotating direction of the sub motor.
- After detection of the mode lever moved to the PLAY position, the SUB MOTOR rotation stops and the main motor rotates, thus entering the PLAY operation.

B. プレイ

- 1. メインモーターの回転を停止させ、SUB MOTORを回転させて、モードレバーをPLAY位置に移動させる。
- 2. モードレバーのプレイ位置への移動はモードSWの ON/OFF回数とサブモーターの回転方向で検知する。
- 3. モードレバーがPLAY位置に移動したことを検知したら、SUB MOTORの回転を停止し、メインモーターを回転させてPLAY動作に入る。

C. PROG

- With the PROG KEY SW ON, the SUB MOTOR rotates, and the mode lever moves to next PLAY position (NORMAL→REVERSE PLAY or REVERSE→NORMAL PLAY).
- 2. When the mode switch detects the next PLAY position, the SUB MOTOR rotation stops, and operation shifts to the PLAY.

C. PROG

- PROG KEY SW ONにより、SUB MOTORを回転させ、モードレバーを次のPLAY位置(NORMAL→RE-VERSE PLAY又は、REVERSE→NORMAL PLAY) に移動させる。
- 2. モードSWが次のPLAY位置を検知したらSUB MO-TORの回転を停止し、PLAYに移行する。

D. FF/REW (QUE/REVIEW)

- With KEY ON, rotation of the main motor stops and the SUB MOTOR rotates to bring the mode lever to the specified position.
- When the specified position is detected by counting ON/OFF number of the mode SW, the SUB MOTOR rotation stops, and the main motor rotates to perform tape fast winding operation.

(According to the stop position of the mode lever, all of head position retreat, playback engagement releasing, pinch roller retreat, and FF gear engagement are kept.)

D. FF/REW (QUE/REVIEW)

- 1. KEY ONによりメインモーターの回転を停止し、 SUB MOTORを回転させモードレバーを所定の位置 に移動させる。
- 2. モードSWのON/OFF回数をカウントし、所定の位置を検知したらSUB MOTORの回転を停止し、メインモーターを回転させ、TAPE早送り動作を行う。(モードレバーの停止位置により、ヘッド位置後退、プレイ噛み合い切り離し、ピンチローラー後退、早送り歯車の噛み合いは、全て維持される。)

E. EJECT

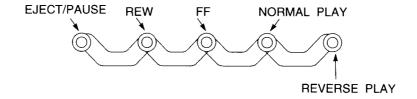
- With KEY ON, main motor rotation stops and SUB MOTOR rotates, thereby moving the mode lever to the EJECT/PAUSE position.
- When the PAUSE SW turns on with the mode lever moved, the SUB MOTOR rotation stops, the main motor rotates to perform take up operations for both the reels.
- When beginning of the reel slip is detected with tape slack eliminated, the main motor rotation stops and the sub motor rotates to move the EJECT lever in the eject direction.
- When the PACK IN SW goes from OFF to ON, the SUB MOTOR rotation stops and the EJECT operation completes.

E. EJECT

- 1. KEY ONにより、メインモーターの回転を停止すると 共に、SUB MOTORを回転させ、モードレバーを EJECT/PAUSE位置に移動させる。
- 2. モードレバーの移動は、PAUSE SWがONした所で SUB MOTORの回転を停止しメインモーターを回転 させ両リールの巻き取り動作を行う。
- 3. テープタルミが無くなり、リールスリップが始まったことを、検知したらメインモーターの回転を停止し、SUB MOTORを回転させてEJECTレバーを排出方向に移動させる。
- 4. PACK IN SWがOFF→ONに切り換わったらSUB MOTORの回転を停止させEJECT完了となる。

Mode lever position

モードレバー位置



Mechanism operations are determined by positions of the mode lever shown above. メカの動作は上記モードレバーの位置で決まる。

Operations of MODE SW and PAUSE SW

MODE SW、 PAUSE SWの動作

REV. PLAY

Mechanism oper メカ動作の移行	ation shift	MODE SW	PAUSE SW
Loading	→Play	4	2
	FF		
	REW		
Play	→FF	3	0
	REW	2	0
	PROG	1	0
	EJECT	4	1 (OFF→ON)
FF	→Play	3	0
	REW	1	0
	PROG		
	EJECT	1	1 (OFF→ON)
REW	→Play	2	0
	FF		0
	PROG		
	EJECT	2	1 (OFF→ON)

ON→OFF number of above switches 上記SWのON→OFF回数

FOR. PLAY

Mechanism oper メカ動作の移行	ation shift	MODE SW	PAUSE SW
Loading	→Play	3	2
	FF		
	REW		
Play	→FF	1	0
	REW	2	0
	PROG	1	0
	EJECT	3	1 (OFF→ON)
FF	→Play	1	0
	REW	1	0
	PROG		
	EJECT	2	1 (OFF→ON)
REW	→Play	2	0
	FF	1	0
	PROG		
	EJECT	1	1 (OFF→ON)

ON→OFF number of above switches 上記SWのON→OFF回数

Mechanism basic operation timing chart

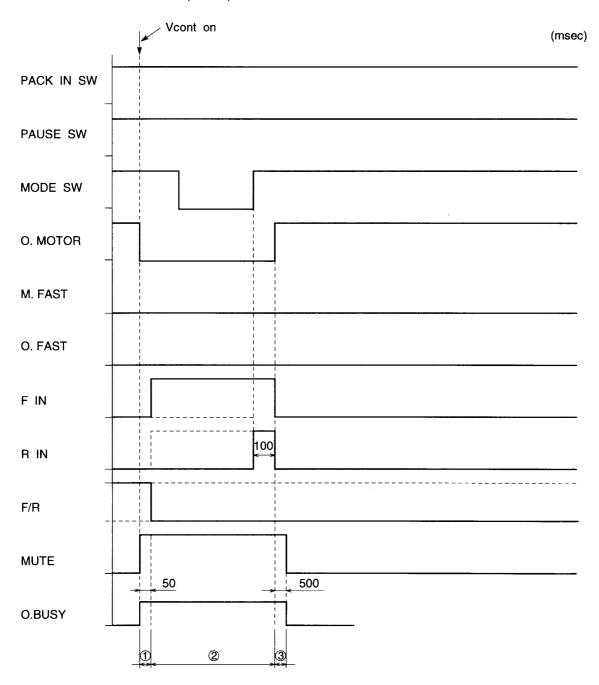
メカニズム基本動作タイミングチャート

Shift MODE

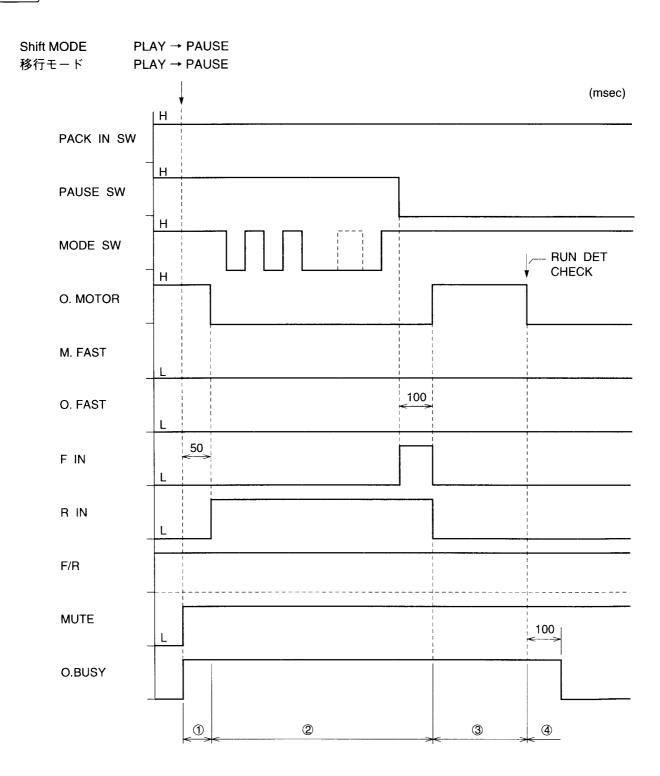
PLAY → PLAY (PROG)

移行モード

PLAY → PLAY (PROG)

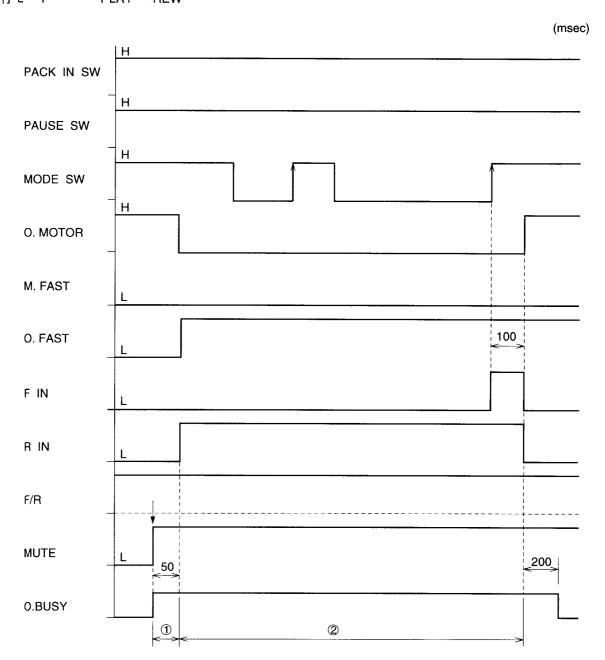


- ① Tape wind stop: Main motor stops.
- Mode lever shift: SUB MOTOR rotates, mode lever moves to a specified position and stops.
- 3 Mode determination: Muting until operation reaches a stable status.
- ① TAPE巻取り停止:MAIN MOTORを停止させる。
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。
- ③ MODE確定:動作安定までMUTE。



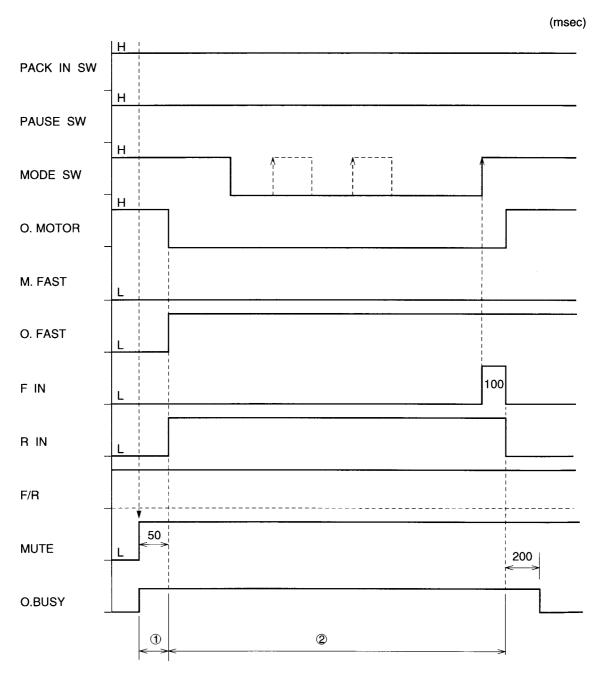
- ① Tape wind stop: Main motor stops.
- ② Mode lever shift: Sub motor rotates, mode lever moves to a specified position and stops.
- ③ Removal of tape slack: Both reel rotate in winding direction and eliminate tape slack.
- 4 Reel stop: Main motor stops when run det pulse reaches a specified value.
- ① TAPE巻取り停止: MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回し、MODE LEVERを目的の位置まで移動させ停止させる。
- ③ TAPE弛み取り:両リールを巻取方向へ回転させ、TAPEの弛みを無くす。
- ④ リール停止: RUNDET PULSが設定値に達したらMAIN MOTORを停止させる。

Shift MODE PLAY → REW 移行モード PLAY → REW



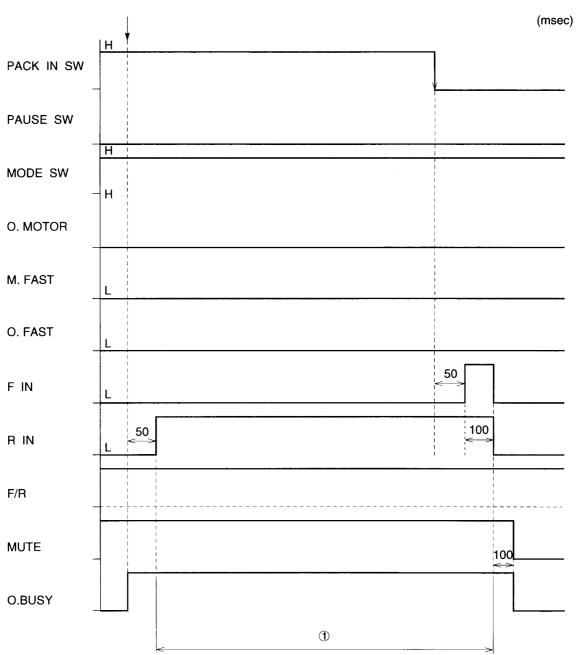
- ① Tape wind stop: Main motor stops.
- Mode lever shift: Sub motor rotates and mode lever moves to a specified position and stops.
- ① TAPE巻取り停止:MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。

Shift MODE PLAY → FF 移行モード PLAY → FF



- ① Tape wind stop: Main motor stops.
- ② Mode lever shift: Sub motor rotates and mode lever moves to a specified position and stops.
- ① TAPE巻取り停止:MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。

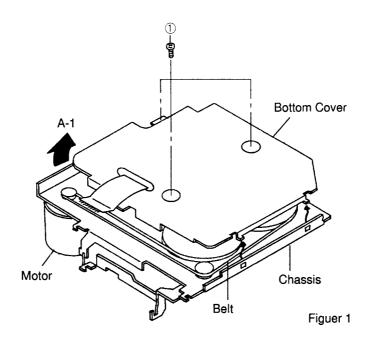
Shift MODE PAUSE → EJECT 移行モード PAUSE → EJECT

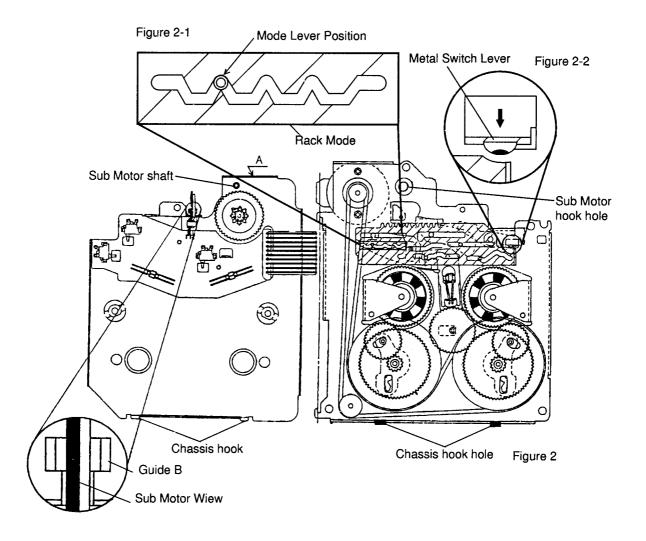


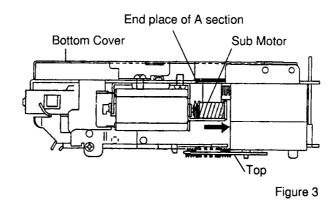
- Cassette pack eject: Rotates sub motor and lifts up the cassette holder.
 Rotates the sub motor further to move slider forward and ejects the pack.
- ① カセットパック排出:SUB MOTORを回しCASSETTE HOLDERをリフトさせる。 さらにSUB MOTORを回しスライダーを手前に移動させPACKを排出させる。

Disassembly, Assembly and Replacement of Functional Parts 機能部品の分解・組立及び交換方法

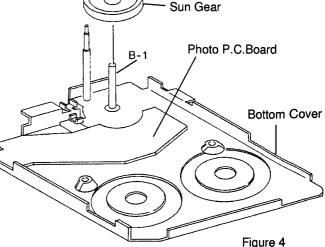
- 1. Disassembly and Assembly of Bottom Cover
 - (1) Turn the mechanism around as shown in Figure 1.
 - (2) Remove three screws ① as shown in Figure 1.
 - (3) Lift the bottom cover slowly from the position A-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
 - (4) Set the mechanism to pack down status and place the mode lever to the position shown in Figure 2-1.
 - (5) Press the metal switch lever in direction shown by the arrow (refer to Figure 2-2), insert the pinion sub motor shaft to the pinion sub motor hook hole, and insert the chassis engagement claws into the chassis engagement holes. (Check to see the sub motor wire is placed in the normal guide position of B section.)
 - (6) Rotate the pinion sub motor counterclockwise after insertion of the bottom cover, and check to see the end place of A section in Figure 2 is closely touched. (refer to Figure 3)
 - (7) Fix the screws that have been removed.
 - NOTE: ① When fixing the bottom cover, be careful to avoid damage by the belt.
 - ② Fasten the three screws with a fastening torque of 6 kg.cm.
- 1. ボトムカバーの分解方法及び組立方法
 - (1) メカを裏返しにします。(図1参照)
 - (2)3本のネジ①を外します。(図1参照)
 - (3) A-1部からボトムカバーをゆっくりと浮かし、切り起こしの嵌合部を外し、分解します。(図1参照)
 - (4)組立時は、メカをパックDOWN状態にして、モードレバーの位置を図2-1の位置に合わせます。
- (5) メタルSWレバーを矢印方向(図2-2参照)に押し、SUB M OTOR 嵌合軸をSUB M OTOR軸嵌合穴に挿入し、シャーシー嵌合ツメをシャーシー嵌合穴に挿入します。←ボトムカバー仮装着完了。 (この時、サブモーターワイヤーがB 部正規ガイド位置にあること)
- (6) ボトムカバー仮装着後SUB M OTO Rを左回りに回し、図2A部端面がシャーシと密着したことを確認します。 (図3参照)
- (7) 分解時に外したネジを止めます。
 - [注意] ① 組立時、ベルトに傷を付けない様に注意して下さい。
 - ②3本のネジは6kgcmのトルクで締め付けて下さい。







- 2. Replacement of the bottom cover mounting parts
- 2. ボトムカバーの取付部品の交換方法
- a. Replacement of the inner gear/planet gear/sun gear
- (1) Remove M1.2 lock washer ② as shown in Figure 4.
- (2) Pull the eject pinion out of the inner gear and remove the inner gear, eject base pinion and sun gear as shown in Figure 4.
- (3) Turn the eject base pinion, remove the three planet gear as shown in Figure 4.
- (4) Apply the grease (PG-671) to the section B-1, and mount the inner gear/planet gear/sun gear following the removal steps in the reverse order. After replacement is smoothly. (Refer to Figure 6.)
 - NOTE: 1) Do not reuse the used lock washer for remounting.
 - 2 Take care to avoid damage by piercing and tearing.
 - ③ Do not forget insertion of planet gears. Check number of the gears also.
- a. インナーギア/プラネットギア/サンギアの交換方法
- (1) ロックワッシャー②(M1.2)を外します。(図4参照)
- (2) イジェクトピニオンをインナーギアより引き抜き、インナーギア/イジェクトベースピニオン/サンギアの順に外します。(図4参照)
- (3) イジェクトベースピニオンを裏返しにしてプラネットギア(3個)を外します。(図4参照)
- (4) B-1部分にグリス (PG-671) を塗布し、取り外しの逆の手順で組み立てて下さい。尚交換後、ギアの回転がスムーズであるか確認して下さい。(図6参照)
 - [注意] ① 一度使用したロックワッシャーは組立時には使用しないで下さい。
 - ② 口開き、めくれのない様に注意して下さい。
 - ③ プラネットギアの挿入忘れ、不足のないこと。
- b. Replacement of the photo sensor
- (1) Remove eight solders 21 as shown in Figure 5.
- (2) Remove the photo sensor from the photo P.C.Board as shown in Figure 5.
- (3) Solder the legs so that the photo sensor is set as indicated by [__] in Figure 5.
 - NOTE: ① When using the soldering iron, set the temperature of the soldering iron to 270° ±20° and the soldering time to less than 3 seconds.
 - ② Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
- b. フォトセンサーの交換方法
- (1)8ケ所の半田21を外し、フォトセンサーをフォト 基板より外します。(図5参照)
- (2) 良品のフォトセンサーを図中の[__]と同じ方向になる様に半田付けします。(図5参照)
 - [注意] ① 半田ゴテを使用する際、 半田ゴテ先温度270° ±20℃、 半田付け時間3秒以下とする。
 - ② ルーズ半田、ショート等のない こと。又、皮膜破れに注意すること。



હ

B-1

B-1

Eject pinion

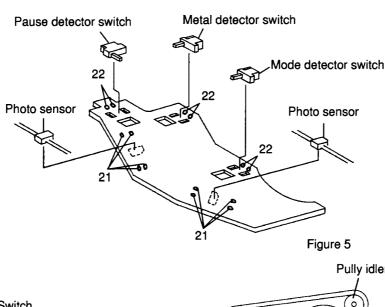
Inner Gear

Eject base pinion

Planet Gear

- c. Replacement of the detector switch (Pause/Metal/Mode)
- (1) Remove six solders 22 with which the switch is fixed as shown in Figure 5.
- (2) Prepare the terminals of the switch of the new one as shown in Figure 6.
- (3) After that, insert the switch into the photo P.C.Board, and solder the terminals.
 - NOTE: ① When using the soldering iron, refer to item 2-b to make sure that the temperature of the soldering iron and the soldering time are proper.
 - ② Take care that the switch guide is properly fixed and straight.
- c. 検出スイッチ(ポーズ・メタル・モード)の交換方法
- (1) スイッチを止めている6ケ所の半田22をそれぞれ 外します。(図5参照)
- (2) 良品のスイッチの端子を水平に直します。 (図6参照)
- (3) フォト基板に差し込み、端子を半田付けします。
 - [注意] ① 項目2-bと同様に半田ゴテのコテ先温度、 半田付け時間に注意すること。
 - ②スイッチの浮き及び傾きがない様にすること。

- 3. Replacement of the mounting parts on the rear of the main chassis
- 3. メインシャーシー裏側取付部品の交換方法
- a. Replacement of the belt
- After removing the bottom cover, remove the belt.
- (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 7.
 - NOTE: ① When fixing the belt, make sure that is not twisted or dirty.
 - ② When removing the belt, do not turn up the front of chassis.
- a. ベルトの交換方法
- (1)ボトムカバーを外した後、ベルトを取り外します。
- (2) 良品のベルトを無水アルコールでクリーニング してから掛けます。(7図参照)
 - [注意] ① 取り付け時、ねじれ及び汚れがない 様にすること。
 - ② ベルトを取り外した時、シャーシーを表側にしないこと。



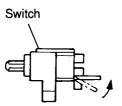


Figure 6

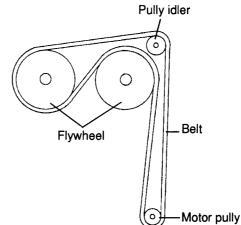
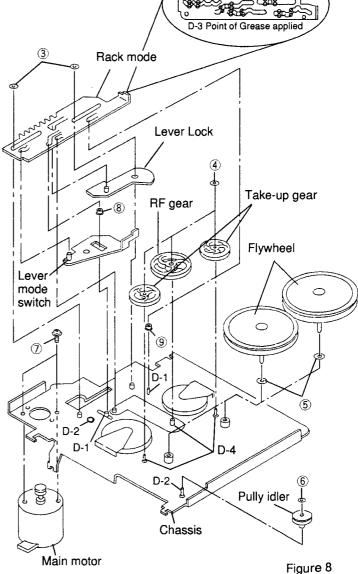


Figure 7

- b. Replacement of the main motor
- (1) After removing the belt, remove solder @-1, and remove the wire flat (2P) from the control P.C.Board as shown in Figure 10.
- (2) Remove two screws ⑦, and remove the main motor as shown in Figure 8.
- (3) Mount the new motor following the removal steps in the reverse order.
 - NOTE: ① When using the soldering iron, set the temperature of the soldering iron to 320° ±20°C and the soldering time to less than 3 seconds.
 - ② Since the wire flat is very easily damaged, handle it with care.
 - 3 Fasten the two screws with a fastening torque of 2kg.cm.
- b. メインモーターの交換方法
- (1) ベルトを外した後、半田⑫-1を外し、ワイヤーフラット(2P) をコントロール基板より外します。(図10参照)
- (2) 2本のネジ⑦を外し、メインモーターを外します。(図8参照)
- (3) 良品のメインモーターを取り外し方法の逆の手順で組み立てます。
 - [注意] ① 半田ゴテを使用する際、半田ゴテ先温度320° ±30℃、半田付け時間3秒以下とする。
 - ② ワイヤーフラットは損傷し易いので取扱いには十分注意すること。
 - ③2本のネジは2kgcmのトルクで締め付けること。
- c. Replacement of the flywheel
- After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer ⑤ located between the flywheel and the chassis. (Refer to Figure 8)

(2) Fix the polyslider washer to the new flywheel and mount the flywheel to chassis.

- c. フライホイールの交換方法
- (1) ベルトを外した後、2個のフライホイールを 引き抜きます。この時フライホイールと シャーシーの間にそれぞれ1個のポリ スライダーワッシャー⑤がありますので 紛失しない様に注意して下さい。(図8参照)
- (2) 良品のフライホイールにポリスライダー ワッシャーを取り付け、シャーシに取り付け ます。
- d. Replacement of the rack mode
- (1) Remove M1.7 lock washer ③, and remove the rack mode as shown in Figure 8.
- (2) Apply the molykote G paste to the section D-3, and mount the rack mode following the removal steps in the reverse order. (Refer to Figure 8)
 - NOTE: ① Check to see the rack mode can move left to right in its full stroke.
 - ② Do not reuse the used lock washer for remounting.
 - ③ Take care to avoid damage by piercing and tearing.
- d. ラックモードの交換方法
- (1)2個のロックワッシャー③(M1.7)を外し、シャーシーより引き抜き、ラックモードを外します。(図8参照)
- (2) 良品のラックモードのD-3部分にモリコート Gペーストを塗布し、取り外しの逆の手順で 取り付けます。
 - [注意] ① ラックモードは左右に全スト ローク動作することを確認する。
 - ② 一度使用したロックワッシャーは 組立時には使用しないで下さい。
 - ③ ロックワッシャー取り付け時、 口開き、めくれのない様に注意 すること。



- e. Replacement of the lever lock/lever mode switch/roller mode
- (1) After removing the rack mode, remove the lever lock and lever mode switch. (Refer to Figure 8)
- (2) Pull it up from the stud and remove the two roller mode (8), (9) as shown in Figure 8.
- (3) Apply the molykote G paste to the section D-1, the grease (PG-671) to the section D-2 and mount the roller mode/lever mode switch/lever lock following the removal steps in the reverse order.

NOTE: ① Check to see the roller mode is inserted without fail.

- e. レパーロック/レパーモードスイッチ/ ローラーモードの交換方法
- (1) ラックモードを外した後、レバーロック、 レバーモードスイッチの順に引き抜きます。 (図8参照)
- (2) 2個のローラ-モード®、⑨をスタットより 引き抜きます。(図8参照)
- (3) D-1部分にモリコートGペースト、D-2部分 にグリス (PG-671) を塗布し、取り外し方 の逆の手順で取り付けます。

[注意] ① ローラーモードの挿入忘れがないこと。

- f. Replacement of gears
- f-1 Replacement of the RF gear
- (1) Remove M1.2 lock washer (4), pull it up from the stud and remove the gear as shown in Figure 8.
- (2) Mount it, following the removal steps in the reverse order.

f-1 RFギアの交換方法

- (1) ロックワッシャー④ (M1.2) を外し、スタット より引き抜きギアを外します。(図8参照)
- (2) 取り外し方の逆の手順で取り付けます。

f-2 Replacement of the take-up gear

- (1) Remove M1.2 lock washer 4, pull it up from the stud and remove the gear as shown in Figure 8.
- (2) Mount it, following the removal steps in the reverse order.

NOTES on f-1 and f-2:

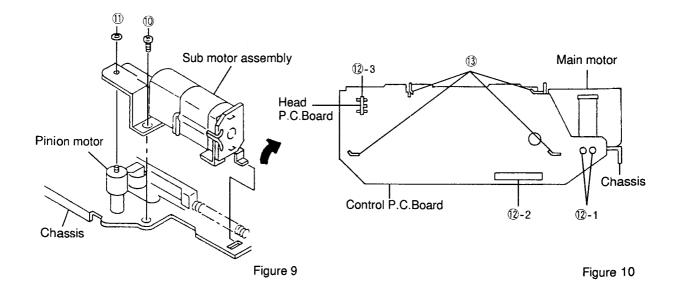
- ① Do not reuse the used lock washer for remounting.
- ② Take care to avoid damage by piercing and tearing.

f-2 テイクアップギアの交換方法

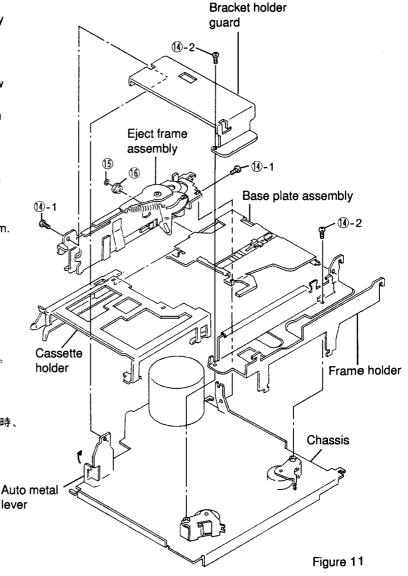
- (1) 2個のロックワッシャー④ (M1.2) を外し、 スタットより引き抜きギアを外します。(図8参照)
- (2) 取り外し方の逆の手順で取り付けます。

[f1, f2の注意]

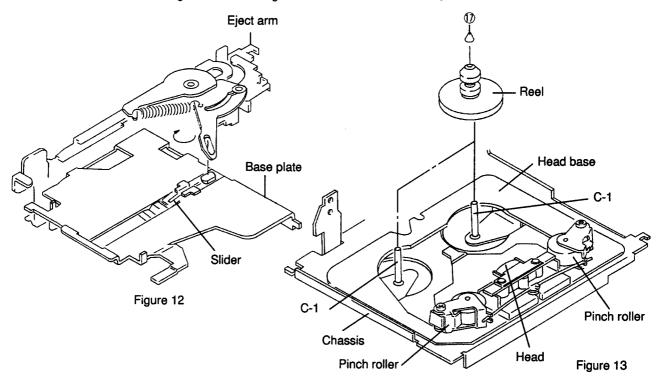
- ① 一度使用したロックワッシャーは 組立時には使用しないで下さい。
- ② ロックワッシャー取り付け時、口開き、 めくれのない様に注意すること。



- 4. Replacement of the parts mounted on the front of the main chassis
- 4. メインシャーシ表側部品の交換方法
- a. Replacement of the control P.C.Board
- (1) Remove four solders ② and remove the head P.C.Board and the two wire flat as shown in Figure 10.
- (2) Remove four claws (3) and remove the P.C.Board as shown in Figure 10.
- (3) After replacing the old P.C.Board with a new one, mount it following the removal steps in the reverse order.
 - NOTE: ① Since the wire flat is very easily damaged, handle it with care.
 - ② When using the soldering iron, set the temperature of the soldering iron to 320° \pm 30°C and the soldering time to less than 3 seconds, but solder point ②-3 to less than 1 second.
 - 3 Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
- a. コントロール基板の交換方法
- (1) 4ケ所の半田⑫を外し、ヘッド基板と2本のワイヤーフラット(2P)、(10P)をそれぞれ外します。(図10参照)
- (2) 4ケ所のツメ③を外し、コントロール基板を外します。(図10参照)
- (3) 良品のコントロール基板と交換後、取り外し方の逆の手順で基板を取り付けます。
 - [注意] ① ワイヤーフラットは損傷し易いので取扱いには十分注意すること。
 - ② 半田ゴテを使用する際、半田ゴテ先温度320° ±30℃、半田付け時間3秒以下とする。 但し、②-3は1秒以下とする。
 - ③ ルーズ半田、ショート等のないこと。
- b. Replacement of the sub motor assembly
- (1) Remove M1.2 lock washer ① and one screw ① as shown in Figure 9.
- (2) Remove the sub motor assembly by pulling it up in the direction of the arrow as shown in Figure 9.
- (3) Mount it, following the removal steps in the reverse order.
 - NOTE: 1 Do not reuse the used lock washer for remounting.
 - ② Take care to avoid damage by piercing and tearing.
 - 3 Fasten the one screw with a fastening torque of 6kg.cm.
- b. サブモーター組立の交換方法
- (1) ロックワッシャー(I) (M1.2) と1本の ネジ(D)を外します。(図9参照)
- (2) 図中の矢印の方向へ持ち上げながら サブモーター組立を外します。(図9参照)
- (3) 取り外し方の逆の手順で取り付けます。
 - [注意] ① 一度使用したロック ワッシャーは組立時には 使用しないで下さい。
 - ② ロックワッシャー取り付け時、 口開き、めくれのない様に 注意すること。
 - ③ ネジは6kgcmのトルクで 締め付けること。

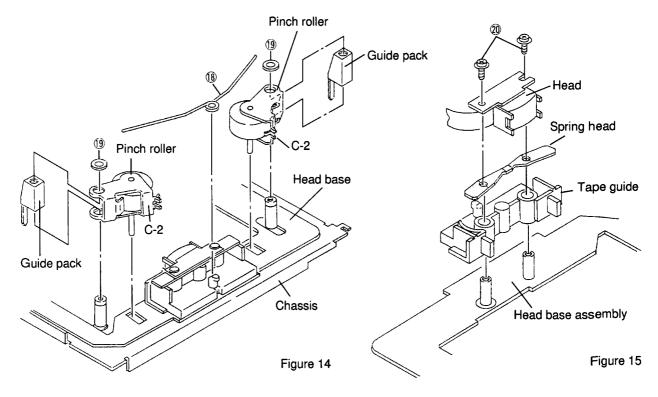


- c. Disassembly and assembly of the cassette holder
- (1) Remove four screws (1) and remove the eject frame assembly and the frame holder as shown in Figure 11.
- (2) Remove M1.2 lock washer (5) and plate base roller (6) and remove the cassette holder and the base plate assembly as shown in Figure 11.
- (3) Remount them following the removal steps in the reverse order.
 - NOTE: ① When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation. (Refer to Figure 12)
 - When mounting the eject frame assembly, push the auto metal lever in the direction indicated by the arrow in the Figure 11.
 - ③ When mounting the base plate assembly and the eject frame assembly, or when mounting the eject frame assembly to the chassis, do not apply excessive force to avoid deformations of the eject arm and the frame.
 - 4 Do not reuse the used washers. Take care to avoid damage by piercing and tearing.
 - ⑤ Fasten the two screws ๋ 1 with a fastening torque of 6kg.cm. and the two screws ๋ 2 with a fastening torque of 1.5kg.cm.
- c. カセットホルダーの分解方法及び組立方法
- (1) 4本のネジ⑭を外し、イジェクトフレーム組立及びフレームホルダーを外します。(図11参照)
- (2) ロックワッシャー⑮(M1.2)とプレートベースローラー⑯を外し、カセットホルダーとベースプレート組立を外します。(図11参照)
- (3) 分解方法と逆の手順で取り付けます。
 - [注意] ① カセットホルダーとベースプレート組立を組み立てる際、スライダーのシャフトをイジェクト アームに挿入し、図の様に矢印方向に回しながら取り付けます。この時カセットホルダーとベース プレートはカセットインの状態で行うこと。(図12参照)
 - ② イジェクトフレーム組立をシャーシーに取り付ける際、オートメタルレバーを図の様に矢印方向に押して下さい。(図11参照)
 - ③ ベースプレート組立とイジェクトフレーム組立を取り付ける際、又、シャーシーとイジェクトフレーム組立を取り付ける際は、必要以上の力を加えないで下さい。(イジェクトアーム、フレームの変形防止の為)
 - ④ 一度使用したワッシャーは、使用しないこと。又、口開き、めくれのないこと。
 - ⑤ ネジ®-1は6kgcm、®-2は1.5kgcmのトルクで締め付けること。



- d. Replacement of the reels
- (1) Remove two reel cap ① as shown in Figure 13.
- (2) After replacement, apply the grease (PG-671) to the section C-1, and mount the new reels following the removal steps in the reverse order.
- (3) After mounting, check the tape speed and the wow & flutter with test tape MTT-111N.

 NOTE: ① Since the reel is easily loosened if the cap is gripped, always handle it gripping, the gear.
- d. リールの交換方法
- (1) 2個のリールキャップ①をそれぞれ外します。(図13参照)
- (2) 良品のリールと交換後C-1部分にグリス (PG-671) を塗布し、取り外し方の逆の手順で取り付けます。
- (3) 取り付け後、必ずテストテープ(MTT-111N)でテープスピード・ワウフラッターの確認をすること。 [注意] ① リールの取り外し、取り付けの際、キャップをつかむと外れ易いので必ずギア部をつかんで 行って下さい。
- e. Replacement of the pinch rollers
- (1) Remove pinch roller spring (8) as shown in Figure 14.
- (2) Remove M3.1 two lock washers (1) and remove the pinch roller and guide pack as shown in Figure 14.
- (3) Mount the pinch rollers following the removal steps in the reverse order. Apply the molykote G paste to the section C-2 as shown in Figure 14.
 - NOTE: ① Make sure that the pinch rollers are thoroughly fixed and that they are not deformed.
 - 2 Do not reuse the used lock washers for remounting.
 - 3 Take care to avoid damage by piercing and tearing.
- e. ピンチローラーの交換方法
- (1) ピンチローラースプリング®を外します。(図14参照)
- (2) 2個のロックワッシャー(9) (M3.1) をそれぞれ外し、ガイドパックと一緒にピンチローラーを外します。 (図14参照)
- (3) C-2部分にモリコートGペーストを塗布し、取り外し方の逆の手順で取り付けます。
 - [注意] ① ピンチローラーの半掛け、変形のないこと。
 - ②一度使用したロックワッシャーは組立時には使用しないで下さい。
 - ③ ロックワッシャー取り付け時、口開き、めくれのない様に注意すること。

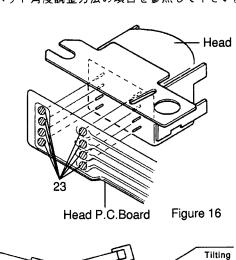


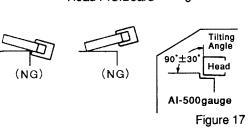
f. Replacement of the head

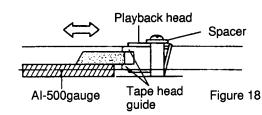
- (1) After removing the pinch roller spring, remove two screws @ as shown in Figure 15.
- (2) Remove solder 23 and remove the head from the head P.C.Board as shown in Figure 16.
- (3) After replacement, mount the new head following the removal steps in the reverse order.
- NOTE: ① When using the soldering iron, set the temperature of the soldering iron to270° ±20°C and the soldering time to less than 1 second.
 - ② Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
 - ③ Do not bring the soldering iron near the head P.C.Board. Make sure that the head P.C.Board is not lifted.
 - (4) Fasten the two screws with a fastening torque 1kg.cm. Note that the tension of the head spring can be descreased if the screws are fastened too strongly.
- (4) Adjust the height of the head as shown in Figure 17, 18 and 19.
 - (4) -1 Place the height adjustment gauge(Al-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
 - (4) -2 When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t0.1mm or polyslider washer t0.13mm). If necessary, remove the spacer.
- NOTE: ① If you do not have a height gauge like described in (4)-1, run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.
- (5) After having assembled the complete mechanism, adjust the angle of the head with test tape MTT-114NB. (Refer to chapter "Adjustment of the head angle".) After the adjustment, apply the screw lock and fix the screws.

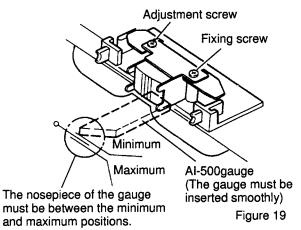
f. ヘッドの交換方法

- (1) ピンチローラースプリングを外した後、2本のネジ⑩を外します。(図15参照)
- (2) 半田23を外し、ヘッド基板からヘッドを取り外します。(図16参照)
- (3) 良品のヘッドと交換後、取り外し方の逆の手順で取り付けます。
- [注意] ① 半田ゴテを使用する際、半田ゴテ先温度270 ±20℃、半田付け時間1秒以下とする。
 - ② ルーズ半田、ショート等のないこと。
 - ③ ヘッド基板には、コテ先を当てないこと。又、ヘッド基板に浮きがない様注意すること。
 - ④ 2本のネジは1kgcmのトルクで締め付けること。但し、ネジを締め過ぎるとヘッドバネがヘタり、バネ性がなくなるので注意すること。
- (4) ヘッド高さ調整を行います。(図17、18、19参照)
 - (4) -1 高さゲージ(AI-500)をヘッドベースにのせ、チェック・パーがテープヘッドガイドにスムーズに 入る高さに合わせます。
 - (4) -2 テープガイドの上(又は下)にチェック・パーが当たる時は、スペーサー(t0.1mm又はポリスライダーワッシャーt0.13mm)を一枚入れます。又は、スペーサーを外すことによって当りをなくす様にします。
 - [注意] ① (4)-1の様に高さゲージがない場合は、テープを通常走行させ、テープカーリングが生じなくなる様に高さ(ヘッド及びテープヘッドガイド)を調整します。
- (5) 最終的な1台のメカと言う状態に組み上げた後、テストテープ(MTT-114NB)でヘッドの角度を調整します。 (ヘッド角度調整方法の項目を参照して下さい。)調整後、ネジロックを塗布し、ネジを固定します。

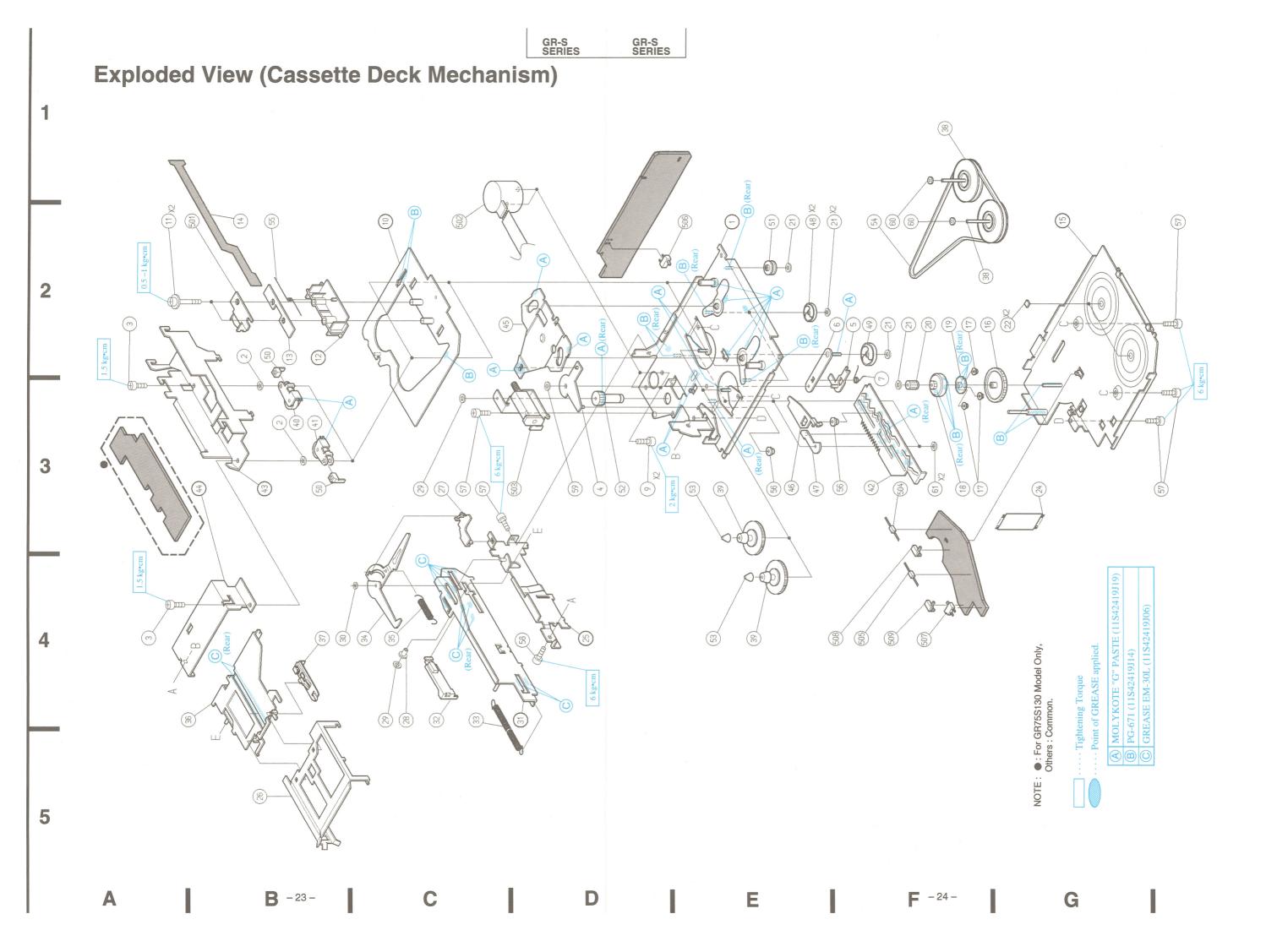








MEMO



Cassette Deck Mechanism Assembly Parts List

/mbol	Index	Part No.	Description		mbol			n parts list are not supplied. Description
No.		' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	Doodiption	11 '	10.		1 41110.	Возоприоп
2	┢	04B41345P32	Washer, Lock (M3.1)	11	55	2-B	41A10387W01	Spring, Pinch Roller
3		03S43997P63	Screw, Pan (M1.7 ×4)	Ш	56		43A71774W01	Roller, Mode
4	3-D	01A71716W01	Assy., Riv. Select Swing	Ш	57		03S44205G30	Screw, Pan (M2.6 ×4)
5	2-F	01A71714W01	Assy., Riv. RF Lever A	Н	58	4-D	03A80629W01	Screw, Special (M2.6 ×6)
6	2-E	01A71715W01	Assy., Riv. RF Lever B	Ш	59	3-D	04B41345P02	Washer, Lock (M1.7)
7	2-F	41A71781W01	Spring, RF	Ш	60	2-F	04S40075G05	Washer, Polyslider (M2.1)
l g	1	03C42723U12	' •	11.			04540075G05 04T55449W01	Washer, Teflon
11	3-0	03C42723012 03A80452W01	Screw, Cup (M2 ×2.5)	11 •	or 61		04B41345P13	Washer, Lock (M1.7)
13	2-B	41A31756W01	Screw, F Locks (M2 ×10.7) Spring, Head	11	"	3-1-	04641343713	Washer, Lock (WIT:/)
14	ı	84T45462W01	Head P.C.Board	П				
14	2-8	84T25151W01	Head P.C.Board					
16	1	44A71747W01	Gear, Sun	11				· ·
17		44A71748W01	Gear, Planet		L	L		<u> </u>
18	3-F	44A71749W01	Gear, Inner	Ш	N A i ~	ممااء	aneous	
19	ı	44A71751W01	Pinion, Eject Base		1VIIS 1 501		88T75612W01	Head
' "	• "	777/1/314401	l mon, Eject Dase	\prod_{α}	502		01V74500W16	Assy., Main Motor (13.2V-55mA
20	2-F	44A71752W01	Pinion, Eject		502		01V84200W63	Assy., Main Motor (6V-90mA)
21	¯ ¯	04B41345P11	Washer, Lock (M1.2)	11.	503		01V74500W23	Assy., Sub Motor (7V-370mA)
22	2-G	43A41656W01	Spacer, UHMW-PE	Ш	504		51T63433F03	Sensor, Photo ON2170-R2
24	i .	30T65174W07	Wire, Flat 10P	Ш	004	Ŭ .	01100400100	Gensel, Thete Civility The
26	1	07B71778W01	Holder, Cassette	11	505	4-F	51T63433F03	Sensor, Photo ON2170-R2
- "	١٠٠		Tiolagy, Cassotte	H	506		40T15222W01	Switch, Detector (PACK IN)
27	3-C	45A71736W01	Lever, Pack In Switch		507		40T15382W02	Switch, Detector (PAUSE)
28	ı	43A71775W01	Roller, Plate Base	11	508		40T15382W02	Switch, Detector (MODE)
29	"	04B41345P01	Washer, Lock (M1.2)	11	509		40T15382W02	Switch, Detector (METAL)
30	4-R	04B41345P15	Washer, Lock (M1.2)	11	""		101100021102	GWIGH, BOLOGIOI (WE 1712)
32	ŀ	44A71753W01	Rack, GR-S	Ш				
33	5-C	41A80634W01	Spring, Rack	Ш				
34		01A71720W01	Assy., Riv. Eject Arm A	H				
35	I .	41B63283F11	Spring					
36	ı	01A71712W01	Assy., Riv. Plate Base	Ш				
37	ı	45B71750W01	Slider					
38		01A71783W01	Flywheel	Ш				
39		01A71784W01	Reel	Ш				
40	3-B	01B81372W01	Assy., Pinch Roller	Ш				
41	1	01B81372W02	Assy., Pinch Roller	Ш				
42	í	44B71726W01	Rack, Mode	Ш				
45	2-C	45B71729W01	Lever, Select					
46	ł	45A71737W01	Lever, Mode Switch	П				
47	ı	45A71733W01	Lever, Lock					
48	ı	44A71741W01	Gear, Take Up	11				
49	1	44A71742W01	Gear, RF	Ш				
50		43A71743W01	Guide, Pack	Ш				
51	2-E	49A71744W01	Pulley, Idler	Ш				
	ı	44A71746W01	Pinion, Motor	11				
52	3-D	77A/1/408801	FILLIOIT, MOTOL					
	3-0	49A71003W01	Reel, Cap	Ш	 			

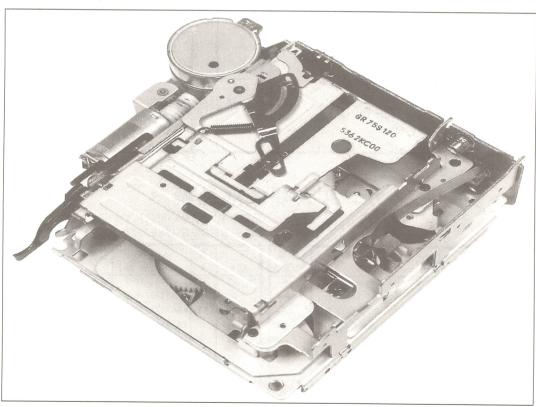
NOTE: O: For GR75S120 Model Only, •: For GR75S130 Model Only, Others: Common.



Cassette Deck Mechanism

ADDENDUM & REVISED

- This manual is described on GR75S310 only. The GR75S310 is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E23241S01).
- 当マニュアルはGR75S310についてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E23241S01) を参照願います。



Contents	S	
Cassette Deck Mechanism Assembly Parts List (Only Differe Exploded View (Cassette Deck Mechanism)	•	
Basic Operation of GR-S Mechanism Disassembly, Assembly and Replacement of Function Parts	Refer to the Service Manual • GR-S SERIE	s

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

NOTE: The parts is not mentioned, refer to the Service Manual · DR-S SERIES (Part No.68E23241S01).

Symbol	Index	Part No.	Description
No.		, 4,,,,,	2 33311,511311
4	3-D	01A90342W01	Assy., Riv. Select Swing
5	2-F	01A90340W01	Assy., Riv. RF Lever A
6	2-F	01A90341W01	Assy., Riv. RF Lever B
11	2-A	03A80452W02	Screw, F Locks (M2X10.7)
13	2-B	41A31756W02	Spring, Head
26	5-B	07B40012W02	Holder, Cassette
27	3-C	45A71736W02	Lever, Pack In Switch
34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)
36	4-A	01A90338W01	Assy., Riv. Plate Base
38		01A90350W01	Assy., Flywheel
40	3-B	01B30863W01	Assy., Pinch Roller
41	3-B	01B30863W02	Assy., Pinch Roller
42	3-F	44B90318W01	Rack, Mode
l			

Symbol	Index	Part No.	Description
No.			
45	2-C	45B90320W01	Lever, Select
46	3-E	45A71737W02	Lever, Mode Switch
47	3-E	45A71733W02	Lever, Lock
53		49A81855W01	Reel, Cap
54	2-F	42A71780W02	Belt
	l		
55	2-B	41A10387W02	Spring, Pinch Roller
62	3-B	45A90322W01	Lever, Eject Arm A
Mis	cella	aneous	
501	2-B	88T95215W02	Head
503	3-C	01V91700W81	Assy., Sub Motor (7V-370mA)

カセットデッキメカニズム関係部品表

※ 記載されていない部品については、サービスマニュアル・ GR-S SERIES (68E23241S01) を参照願います。

標準

卸価格

1,210

1,440

		索			│ 標準 ┃	ı	索		
	記号	31	部品番号	部品名	卸価格	記号	引	部品番号	部品名
	4	3-D	01A90342W01	Assy., Riv. Select Swing	[—]	45	2-C	45B90320W01	Lever, Select
	5	2-F	01A90340W01	Assy., Riv. RF Lever A		46	3-E	45A71737W02	Lever, Mode Switch
	6	2-F	01A90341W01	Assy., Riv. RF Lever B		47	3-E	45A71733W02	Lever, Lock
1	11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	45	53		49A81855W01	Reel, Cap
ı	13	2-B	41A31756W02	Spring, Head	60	54	2-F	42A71780W02	Belt
ı									
	26	5-B	07B40012W02	Holder, Cassette	260	55	2-B	41A10387W02	Spring, Pinch Roller
ı	27	3-C	45A71736W02	Lever, Pack In Switch		62	3-B	45A90322W01	Lever, Eject Arm A
	34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)					
	36	4-A	01A90338W01	Assy., Riv. Plate Base	i		Ì		
	38		01A90350W01	Assy., Flywheel					
1									<u> </u>
ı	40	3-B	01B30863W01	Assy., Pinch Roller	240	70	の他の	の電気部品	
	41	3-B	01B30863W02	Assy., Pinch Roller	240	501		88T95215W02	Head
	42	3-F	44B90318W01	Rack, Mode	l — I	503	3-C	01V91700W81	Assy., Sub Motor
									(7V-370mA)

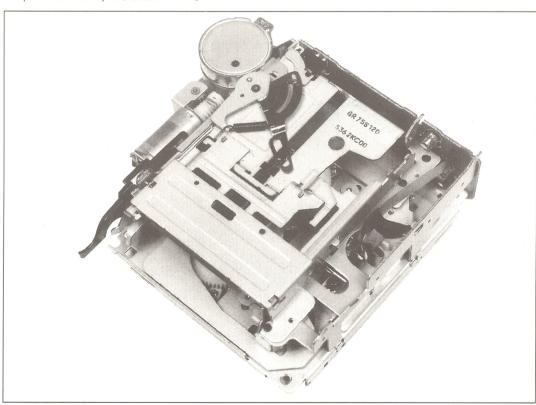
Exploded View (Cassette Deck Mechanism) 2 3 (46)



Cassette Deck Mechanism

ADDENDUM & REVISED (II)

- This manual is described on GR75S410/42Y only. The GR75S410/42Y is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E23241S01).
- 当マニュアルはGR75S410/42Yについてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E23241S01) を参照願います。





Contents	
Cassette Deck Mechanism Assembly Parts List	3 to 4
Exploded View (Cassette Deck Mechanism)	5 to 6
Basic Operation of GR-S Mechanism Disassembly, Assembly and Replacement of Function Parts	Refer to the Service Manual • GR-S SERIES (Part No. 68E23241S01).

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

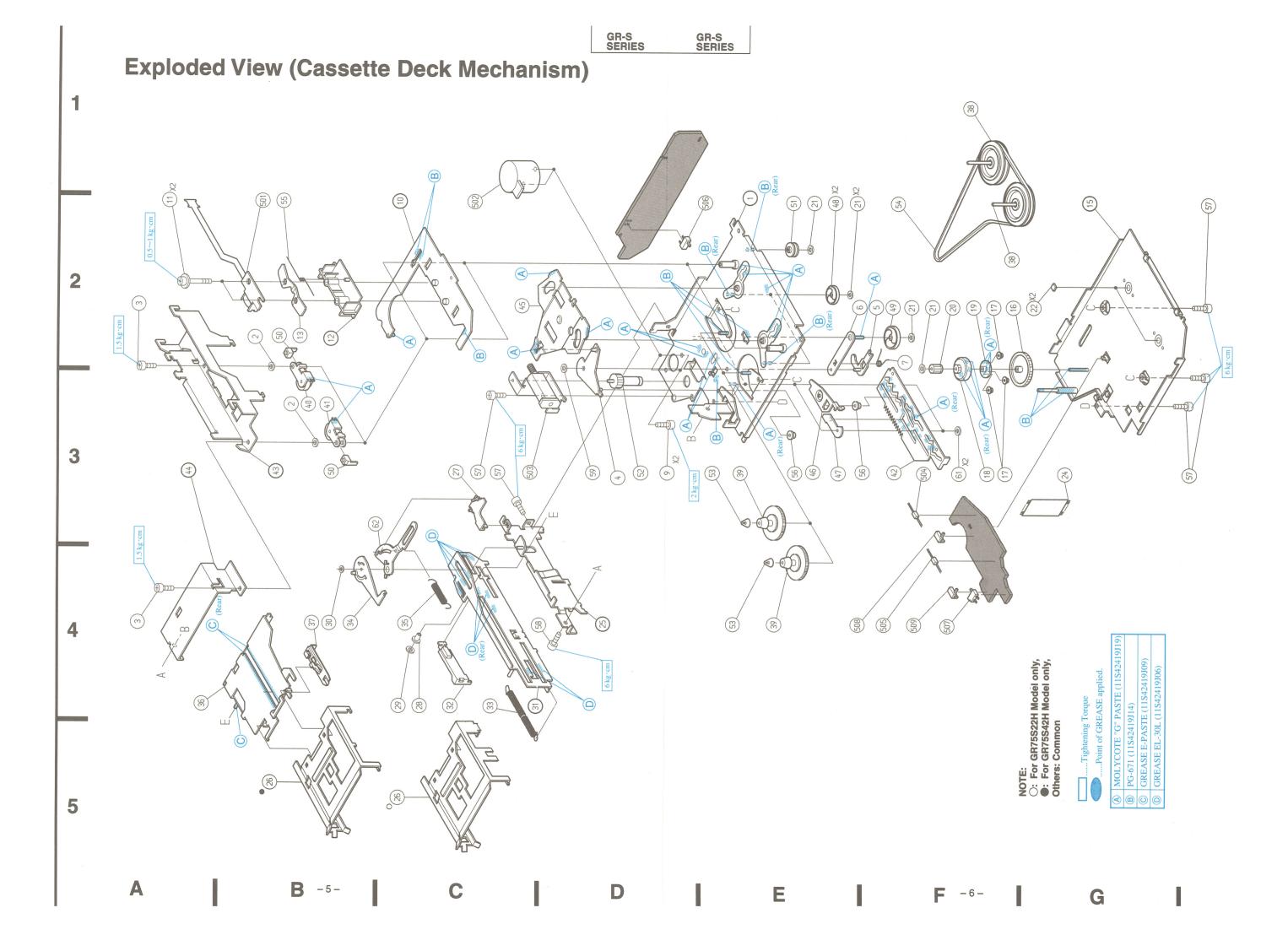
									parts list are not supplied.
Syn	nbol	Index	Part No.	Description		mbol			Description
No	o.			·	N	lo.			· ·
	2		04B41345P32	Washer, Lock (M3.1)		57		03\$44205G30	Screw, Pan (M2.6X4)
	3		03S43997P63	Screw, Pan (M1.7X4)	•	58	4-D	03A80629W01	Screw, Special (M2.6X6)
1	4	3-D	01A90342W02	Assy., Riv. Select Swing		59	3-D	04B41345P02	Washer, Lock (M1.7)
1	5	2-F	01A71714W01	Assy., Riv. RF Lever A	Ⅱ・	60	2-F	04S40075G05	Washer, Polyslider (M2.1)
1	6	2-E	01A90341W02	Assy., Riv. RF Lever B	Ⅱ●	or	2-F	04T55449W01	Washer, Polyslider (M2.1)
1									
	7	2-F	41A71781W01	Spring, RF		61	3-F	04B41345P23	Washer, Lock (M1.7)
	9	3-D	03C42723U12	Screw, Cup (M2X2.5)		62	3-B	45A90322W02	Lever, Eject Arm A
	11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	H				
	13	2-B	41A31756W01	Spring, Head					
	16	2-F	44A71747W01	Gear, Sun					
	17		44A71748W01	Gear, Planet		Mis		aneous	
1 1	18	3-F	44A71749W01	Gear, Inner	0	501		88T95215W02	Head
	19		44A71751W01	Pinion, Eject Base	•	501	2-B	88T75612W03	Head
	20	2-F	44A71752W01	Pinion, Eject	0	502		01V94900W74	Assy., Main Motor (13.2V-95mA)
	21		04B41345P11	Washer, Lock (M1.2)	•	502		01V74500W16	Assy., Main Motor (13.2V-95mA)
	 	_				503	3-C	01V74500W23	Assy., Sub Motor (7V-370mA)
	22		43A41656W01	Spacer, UHMW-PE					
	24		30T65174W07	Wire, Flat 10P		504		51T63433F03	Sensor, Photo ON2170-R2
1 1	26		07B71778W01	Holder, Cassette		505		51T63433F03	Sensor, Photo ON2170-R2
1 1	27		45A71736W03	Lever, Pack In Switch		506		40T15222W01	Switch, Detector (PACK IN)
	28	4-C	43A71775W01	Roller, Plate Base		507	1	40T15382W02	Switch, Detector (PAUSE)
						508	4-E	40T15382W02	Switch, Detector (MODE)
	29		04B41345P01	Washer, Lock (M1.2)					
	30		04B41345P15	Washer, Lock (M1.2)		509	4-F	40T15382W02	Switch, Detector (METAL)
	32		44A71753W01	Rack, GR-S					
1 1	33		41A80634W01	Spring, Rack					
	34	4-B	01A90346W02	Assy., Riv. Eject Arm (B)					
1	35	4.0	41B63283F11	Spring					
	36		01A71712W01	Assy., Riv. Plate Base					
	37		45B71750W01	Slider					
I _ I	38	4.0	01A90350W01	Assy., Flywheel	ŀ				
	38		01A71783W10	Assy., Flywheel					
			0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.00y., 1.y.m.osi]
	39		01A71784W01	Reel					
1	40		01B30863W01	Assy., Pinch Roller					
	41		01B30863W02	Assy., Pinch Roller					
	42		44B71726W01	Rack, Mode	1	l l			
	45	2-C	45B90320W02	Lever, Select	1				
	- 1				1				
	46	3-E	45A71737W03	Lever, Mode Switch					i
	47	3-E	45A71733W03	Lever, Lock					
	48	2-E	44A71741W01	Gear, Take Up	1				
	49	2-F	44A71742W01	Gear, RF	1				
	50		43A71743W01	Guide, Pack					
				j					
	51	2-E	49A71744W01	Pulley, Idler					
	52	3-D	44A71746W01	Pinion, Motor					
	53		49A81855W01	Reel, Cap					
	54		42A71780W02	Belt					
	55	2-B	41A10387W02	Spring, Pinch Roller			ļ		1
				 					
	56	3-E	43A71774W01	Roller, Mode	1				
						1			

カセットデッキメカニズム関係部品表

※ 部品表に記入されていない部品は供給されません。

		索			標準			索			標準
Ē	己号	引	部品番号	部品名	卸価格	-	己号	引	部品番号	部品名	卸価格
	2		04B41345P32	Washer, Lock (M3.1)	45		56	3-E	43A71774W01	Roller, Mode	50
	3		03S43997P63	Screw, Pan (M1.7X4)	45	ľ	57		03S44205G30	Screw, Pan (M2.6X4)	45
İ	4	1	01A90342W02	Assy., Riv. Select Swing	-	•	58	1	03A80629W01	Screw, Special (M2.6X6)	50
	5		01A71714W01	Assy., Riv. RF Lever A	120		59		04B41345P02	Washer, Lock (M1.7)	45
	6	2-E	01A90341W02	Assy., Riv. RF Lever B		•	60		04S40075G05	Washer, Polyslider (M2.1)	45
						•	or	2-F	04T55449W01	Washer, Polyslider (M2.1)	45
	7		41A71781W01	Spring, RF	45						
ı	9		03C42723U12	Screw, Cup (M2X2.5)	45		61	3-F	04B41345P23	Washer, Lock (M1.7)	45
	11	2-A	03A80452W02	Screw, F Locks	45		62	3-B	45A90322W02	Lever, Eject Arm A	_
				(M2X10.7)							
	13	2-B	41A31756W01	Spring, Head	60	ļ					
	16	2-F	44A71747W01	Gear, Sun	50					1	
					1						
	17		44A71748W01	Gear, Planet	45	L			の電気部品		
	18		44A71749W01	Gear, Inner	_	0	501	i	88T95215W02	Head	1,210
	19		44A71751W01	Pinion, Eject Base	100	•	501	İ	88T75612W03	Head	1,240
	20	2-F	44A71752W01	Pinion, Eject	90	0	502	2-C	01V94900W74	Assy., Main Motor	1,460
	21		04B41345P11	Washer, Lock (M1.2)	45					(13.2V-95mA)	
Ī			l			•	502	2-C	01V74500W16	Assy., Main Motor	1,480
	22		43A41656W01	Spacer, UHMW-PE	45	1				(13.2V-95mA)	
	24		30T65174W07	Wire, Flat 10P	160	1	503	3-C	01V74500W23	Assy., Sub Motor	1,500
ı	26	5-B	07B71778W01	Holder, Cassette	240					(7V-370mA)	
1	27		45A71736W03	Lever, Pack In Switch							
ŀ	28	4-C	43A71775W01	Roller, Plate Base	50		504		51T63433F03	Sensor, Photo ON2170-R2	310
ı						İ	505	4-F	51T63433F03	Sensor, Photo ON2170-R2	310
	29		04B41345P01	Washer, Lock (M1.2)	45		506	2-D	40T15222W01	Switch, Detector	130
	30		04B41345P15	Washer, Lock (M1.2)	45	1				(PACK IN)	
ł	32		44A71753W01	Rack, GR-S	130		507	4-F	40T15382W02	Switch, Detector (PAUSE)	130
ı	33		41A80634W01	Spring, Rack	80		508	4-E	40T15382W02	Switch, Detector (MODE)	130
ı	34	4-B	01A90346W02	Assy., Riv. Eject Arm (B)		l					
l	li					1	509	4-F	40T15382W02	Switch, Detector (METAL)	130
	35		41B63283F11	Spring	45	1					
l	36		01 A 71712W01	Assy., Riv. Plate Base	260						
l	37	4-B	45B71750W01	Slider	45	Í ,					
0	38		01A90350W01	Assy., Flywheel	380						
•	38		01A71783W10	Assy., Flywheel	450		li				
				L .							
	39		01A71784W01	Reel	370			İ			
	40		01B30863W01	Assy., Pinch Roller	240						
	41		01B30863W02	Assy., Pinch Roller	240						
	42		44B71726W01	Rack, Mode	120						
	45	2-C	45B90320W02	Lever, Select	_ _						
Ī			45.47470771100								J
	46		45A71737W03	Lever, Mode Switch	<u> </u>						l
	47	'	45A71733W03	Lever, Lock	<u> </u>						
	48		44A71741W01	Gear, Take Up	45			ļ			
	49	2-F	44A71742W01	Gear, RF	45						
	50		43A71743W01	Guide, Pack	45						
	اا		40.4747441404	Duller Liller	[
	51		49A71744W01	Pulley, Idler	45						1
	52	3-D	44A71746W01	Pinion, Motor	60			I			
	53		49A81855W01	Reel, Cap	45						
	54		42A71780W02	Belt	140						
	55	2-8	41A10387W02	Spring, Pinch Roller	45						
					[]		l				
Щ						Щ					

注記:○:GR75S410 モデル専用, ●:GR75S42Y モデル専用, その他:共通

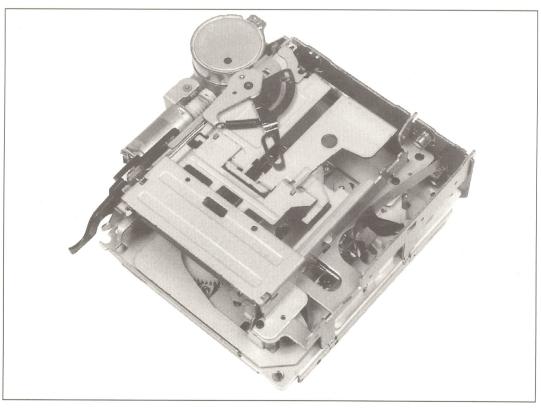




Cassette Deck Mechanism

ADDENDUM & REVISED (III)

- This manual is described on GR75S22H/42H only. The GR75S22H/42H is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E26177S01).
- 当マニュアルはGR75S22H/42Hについてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E26177S01) を参照願います。



Contents	- Marie Article Control of the Contr
Cassette Deck Mechanism Assembly Parts List	3 to 4
Exploded View (Cassette Deck Mechanism)	5 to 6
Basic Operation of GR-S Mechanism Disassembly, Assembly and Replacement of Function Parts	Refer to the Service Manual - GR-S SERIES (Part No. 68E23241S01).

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

									parts list are not supplied.
Syn	lode	index	Part No.	Description			Index	Part No.	Description
Z	э.				N	lo.			
	2		04B41345P32	Washer, Lock (M3.1)	•	47		45A71733W03	Lever, Lock
	3		03S43997P63	Screw, Pan (M1.7X4)	ı	48		44A71741W01	Gear, Take Up
0	4	3-D	01A90342W01	Assy., Riv. Select Swing	ı	49	2-F	44A71742W01	Gear, RF
	4	3-D	01A90342W02	Assy., Riv. Select Swing	•	50		43A71743W01	Guide, Pack
0	5	2-F	01A90340W01	Assy., Riv. RF Lever A		51	2-E	49A71744W01	Pulley, Idler
•	5	2-F	01A71714W01	Assy., Riv. RF Lever A		52	3-D	44A71746W01	Pinion, Motor
0	6	2-E	01A90341W01	Assy., Riv. RF Lever B		53		49A81855W01	Reel, Cap
	6	2-E	01A90341W02	Assy., Riv. RF Lever B		54	2-F	42A71780W02	Belt
	7	2-F	41A71781W01	Spring, RF		55	2-B	41A10387W02	Spring, Pinch Roller
	9	3-D	03C42723U12	Screw, Cup (M2X2.5)		56		43A71774W01	Roller, Mode
	11	2-A	03A80452W02	Screw, F Locks (M2X10.7)		57		03S44205G30	Screw, Pan (M2.6X4)
	13	2-B	41A31756W01	Spring, Head		58	4-D	03A80629W01	Screw, Special (M2.6X6)
	16	2-F	44A71747W01	Gear, Sun	1	59	3-D	04B41345P02	Washer, Lock (M1.7)
	17		44A71748W01	Gear, Planet		61	3-F	04B41345P23	Washer, Lock (M1.7)
	18	3-F	44A71749W01	Gear, Inner		62	3-B	45A90322W01	Lever, Eject Arm A
	19	2-F	44A71751W01	Pinion, Eject Base	•	62	3-B	45A90322W02	Lever, Eject Arm A
	20	2-F	44A71752W01	Pinion, Eject	1				
	21		04B41345P11	Washer, Lock (M1.2)					
	22	2-G	43A41656W01	Spacer, UHMW-PE					
	24	3-G	30T65174W07	Wire, Flat 10P					
	l								
0	26	5-C	07B40012W01	Holder, Cassette		<u> </u>		<u>r</u>	
	26	5-B	07B71778W01	Holder, Cassette		Mis	cella	aneous	
0	27	3-C	45A71736W02	Lever, Pack In Switch		501	2-B	88T75612W03	Head
	27	3-C	45A71736W03	Lever, Pack In Switch	0	502	2-C	01V74500W16	Assy., Main Motor (13.2V-95mA)
	28	4-C	43A71775W01	Roller, Plate Base		502	2-C	01V94900W74	Assy., Main Motor (13.2V-95mA)
						503	3-C	01V91700W81	Assy., Sub Motor (7V-370mA)
	29	4-C	04B41345P01	Washer, Lock (M1.2)	•	503	3-C	01V11700Y92	Assy., Sub Motor (7V-370mA)
	30	4-B	04B41345P15	Washer, Lock (M1.2)					
	32	4-C	44A71753W01	Rack, GR-S		504	3-F	51T63433F03	Sensor, Photo ON2170-R2
	33	4-C	41A80634W01	Spring, Rack		505	4-F	51T63433F03	Sensor, Photo ON2170-R2
0	34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)		506	2-D	40T15222W01	Switch, Detector (PACK IN)
						507	4-F	40T15382W02	Switch, Detector (PAUSE)
 •	34	4-B	01A90346W02	Assy., Riv. Eject Arm (B)		508	4-E	40T15382W02	Switch, Detector (MODE)
	35	4-C	41B63283F11	Spring					
0	36	4-A	01A40024W03	Assy., Riv. Plate Base		509	4-F	40T15382W02	Switch, Detector (METAL)
•	36	4-A	01A71712W01	Assy., Riv. Plate Base	1	ĺ			
	37	4-B	45B71750W01	Slider	ı				
	38		01A90350W01	Assy., Flywheel					
	39		01A71784W01	Reel		1	l		
	40	3-B	01B30863W01	Assy., Pinch Roller		1			
	41	3-B	01B30863W02	Assy., Pinch Roller		1	l		
0	42	3-F	44B90318W01	Rack, Mode B					
			1			1	l		
•	42	3-F	44B71726W01	Rack, Mode					i
0	45	2-C	45B90320W01	Lever, Select					
•	45	2-C	45B90320W02	Lever, Select					
0	46	3-E	45A71737W02	Lever, Mode Switch					
•	46	3-E	45A71737W03	Lever, Mode Switch		1	l		
0	47	3-E	45A71733W02	Lever, Lock		1	l		
L			1	1	1	1			

NOTE: O: For GR75S22H Model Only, •: For GR75S42H Model Only, Others: Common.

カセット・デッキ・メカニズム関係部品表

※ 部品表に記入されていない部品は供給されません。

23 34 44 55 66 67 9	2 3 4 4 5 5 5 6 7	3-D 2-F 2-F	部品番号 04B41345P32 03S43997P63 01A90342W01 01A90342W02 01A90340W01	部品名 Washer, Lock (M3.1) Screw, Pan (M1.7X4) Assy., Riv. Select Swing Assy., Riv. Select Swing	標準 卸価格 45 45	•	号 47	引 3-E	部品番号 45A71733W03	部品名 Lever, Lock	卸価格
3 4 4 5 5 6 6 7	3 1 1 1 5 5 5 3 3	3-D 2-F 2-F	03S43997P63 01A90342W01 01A90342W02	Screw, Pan (M1.7X4) Assy., Riv. Select Swing					45A71733W03	Lever, Lock	
 4 4 5 6 6 7 	1 1 5 5 5 6 8	3-D 2-F 2-F	01A90342W01 01A90342W02	Assy., Riv. Select Swing	45						
 4 5 6 6 7 	5 5 3 7	3-D 2-F 2-F	01A90342W02	1 '			48		44A71741W01	Gear, Take Up	45
5 5 6 6 7	5 5 5 7	2-F 2-F	ł	IAcey Div Calant Cuina !	_ I		49	2-F	44A71742W01	Gear, RF	45
● 5 ○ 6 ● 6 7	5	2-F	01A90340W01	1 ''			50		43A71743W01	Guide, Pack	45
○ 6 • 6 7	3 3 7			Assy., Riv. RF Lever A	160		51	2-E	49A71744W01	Pulley, Idler	45
● 6 7	5	2-E	01A71714W01	Assy., Riv. RF Lever A	120		52	3-D	44A71746W01	Pinion, Motor	60
7	,		01A90341W01	Assy., Riv. RF Lever B	_		53		49A81855W01	Reel, Cap	45
		2-E	01A90341W02	Assy., Riv. RF Lever B	—		54	2-F	42A71780W02	Belt	140
9)	2-F	41A71781W01	Spring, RF	45		55	2-B	41A10387W02	Spring, Pinch Roller	45
		3-D	03C42723U12	Screw, Cup (M2X2.5)	45		56		43A71774W01	Roller, Mode	50
1	11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	45		57	,	03S44205G30	Screw, Pan (M2.6X4)	45
1	13	2-B	41A31756W01	Spring, Head	60		58	4-D	03A80629W01	Screw, Special (M2.6X6)	50
1	16	2-F	44A71747W01	Gear, Sun	50	1 1	59	3-D	04B41345P02	Washer, Lock (M1.7)	45
1	17		44A71748W01	Gear, Planet	45		61	3-F	04B41345P23	Washer, Lock (M1.7)	45
1	18	3-F	44A71749W01	Gear, Inner	-	0	62	3-B	45A90322W01	Lever, Eject Arm A	
1 1	19	2-F	44A71751W01	Pinion, Eject Base	100		62	3-B	45A90322W02	Lever, Eject Arm A	
2	20	2-F	44A71752W01	Pinion, Eject	90						
2	21		04B41345P11	Washer, Lock (M1.2)	45						
2	22	2-G	43A41656W01	Spacer, UHMW-PE	45	H					
2	24	3-G	30T65174W07	Wire, Flat 10P	160						
O 2	26	5-C	07B40012W01	Holder, Cassette	280						
2			07B71778W01	Holder, Cassette	240		zπ	7.4H/	の電気部品		
0 2	- 1		45A71736W02	Lever, Pack In Switch	_	\vdash	501		クモメ(ロ)ロロ 88T75612W03	Head	1,240
	27		45A71736W03	Lever, Pack In Switch	_	8 I	502		01V74500W16	Assy., Main Motor	1,460
	28		43A71775W01	Roller, Plate Base	50					(13.2V-95mA)	
	.		0.45.440.4550.4			•	502	2-C	01V94900W74	Assy., Main Motor	1,480
	29		04B41345P01	Washer, Lock (M1.2)	45	l i				(13.2V-95mA)	
	30	i	04B41345P15	Washer, Lock (M1.2) Rack, GR-S	45	0	503	3-C	01V91700W81	Assy., Sub Motor	1,440
	32	4-C	44A71753W01		130				041/447001/00	(7V-370mA)	4 400
I I.	33	-	41A80634W01	Spring, Rack	80	 •	503	3-C	01V11700Y92	Assy., Sub Motor	1,460
0 3	54	4-B	01A90346W01	Assy., Riv. Eject Arm (B)	_					(7V-370mA)	
	34		01A90346W02	Assy., Riv. Eject Arm (B)	-		504		51T63433F03	Sensor, Photo ON2170-R2	310
	35		41B63283F11	Spring	45		505		51T63433F03	Sensor, Photo ON2170-R2	310
~	36		01 A 40024W03	Assy., Riv. Plate Base	240		506	2-D	40T15222W01	Switch, Detector	130
	36		01A71712W01	Assy., Riv. Plate Base	260		- 1			(PACK IN)	
3	37	4-B	45B71750W01	Slider	45		507	1	40T15382W02	Switch, Detector (PAUSE)	130
	_ [508	4-E	40T15382W02	Switch, Detector (MODE)	130
	38		01A90350W01	Assy., Flywheel	380			l			
	39		01A71784W01	Reel	370		509	4-F	40T15382W02	Switch, Detector (METAL)	130
	10		01B30863W01	Assy., Pinch Roller	240	1	- 1				
	11		01B30863W02	Assy., Pinch Roller	240	1					
04	12	3-F	44B90318W01	Rack, Mode B	160						
• 4		3-F	44B71726W01	Rack, Mode	120						
0 4	15	2-C	45B90320W01	Lever, Select							
• 4	15	2-C	45B90320W02	Lever, Select	- 1						
04	16	3-E	45 A 71737W02	Lever, Mode Switch			J				
• 4	16	3-E	45A71737W03	Lever, Mode Switch	-1						
0 4	17	3-E	45A71733W02	Lever, Lock	-						

注記: ○: GR75S22Hモデル専用, ●: GR75S42Hモデル専用, その他:共通

Exploded View (Cassette Deck Mechanism) (51) (21) (21) X2 2 3 (19) (47) (4) (57) 5